

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Phillips Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 2920, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

2110' FSL, 740' FWL, Sec. 7-T41S-R24E

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 5 miles south of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT. 740' from Ratherford  
(Also to nearest drilg. unit line, if any) Unit Lease Line

16. NO. OF ACRES IN LEASE

1680

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40 acres

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1045'

19. PROPOSED DEPTH

5700'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4717' ungraded ground

22. APPROX. DATE WORK WILL START\*

3rd quarter 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	100'	150 sx (Circ to surface)
12-1/4"	9-5/8"	36#	1600'	600 sx (Circ to surface)
8-3/4"	7"	23# & 26#	5700'	1000 sx est. (T.O.C. approx 2000)

Approval is requested to drill Ratherford Unit #7-13, a Desert Creek Development oil well, to increase the ultimate recovery from the Ratherford Unit.

BOP equipment will be operated daily and tested weekly.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 7/8/85

BY: [Signature]

WELL SPACING: A-3 Unit Well

RECEIVED

JUN 17 1985

DIVISION OF OIL  
GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

[Signature]

TITLE Area Manager

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

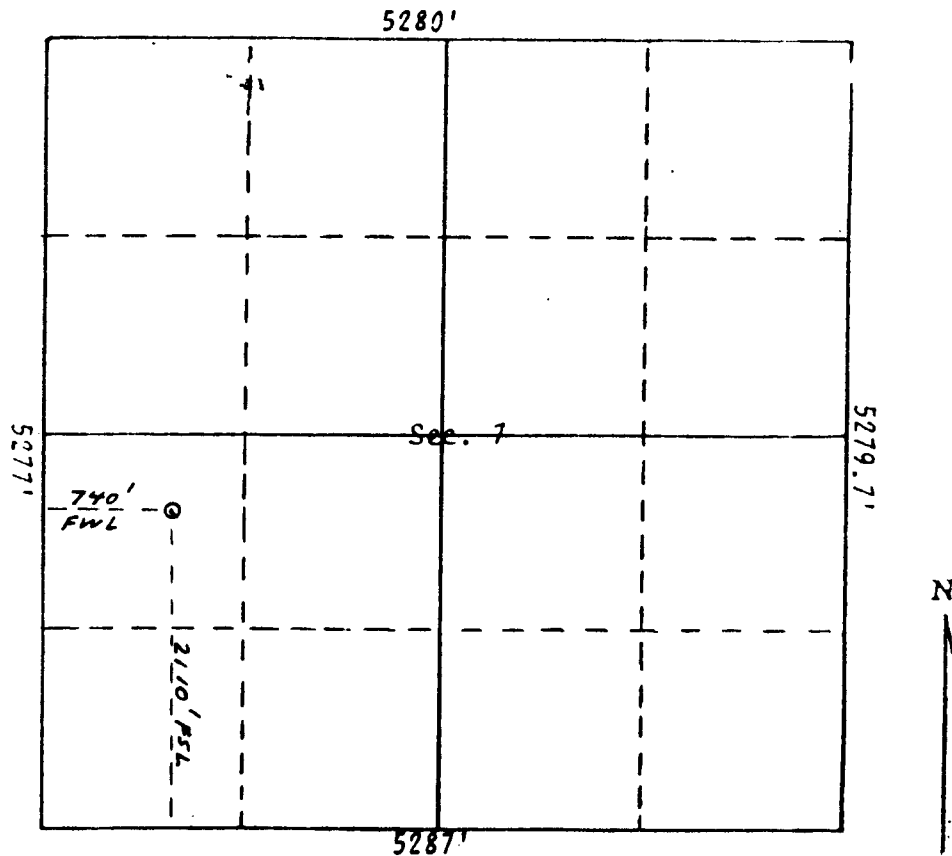
DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

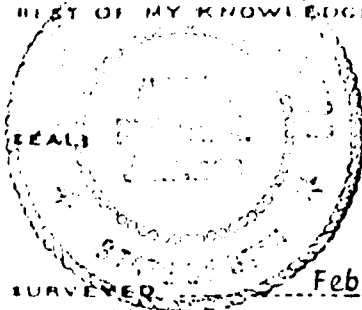
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COMPANY Phillips Petroleum Co.  
Ratherford Unit  
LEASE \_\_\_\_\_ WELL NO. 7-13  
SEC. 7, T. 41 S., R. 24 E.  
County: San Juan State: Utah  
LOCATION 2110' ESL. & 740' FWL  
ELEVATION 4717



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-  
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.



Richard Johnson  
Registered Land Surveyor

SURVEYED Feb. 25 1985

RATHERFORD UNIT #7-13

Supplement to Form 9-331C "Application for Permit to Drill, Deepen, or Plug Back."

DRILLING PROGRAM

1. Surface formation is the Dune Sand, which consists of loose windblown sand, age-recent.

Estimated tops of geologic markers:

Shinarump . . . . .	2348'
DeChelly . . . . .	2633'
Hermosa . . . . .	4525'
Desert Creek Zone I . . . . .	5481'

2. Brackish water-bearing sands are expected in the Navajo, Wingate, and DeChelly formations. Oil is expected to be encountered in the Ismay and Desert Creek formations. The top of cement will be approximately at 2000'.

3. Blow-out preventers will be 10" Series 900 equipment to be tested initially to 3000 psi. They will be inspected and operated daily and pressure tested weekly to 1500 psi. Weekly pressure tests will be supervised by representatives of Phillips Oil Company and the drilling contractor. Tests will be recorded on the daily drilling report which will remain on the rig floor during drilling operations. BOP tests will be conducted in accordance with Phillips standards, copy attached.

4. a. Proposed Casing Program:

1. Conductor casing:

100'	13-3/8"	48#/ft	H-40	ST&C	new
------	---------	--------	------	------	-----

2. Surface casing:

1600'	9-5/8"	36#/ft	K-55	ST&C	new
-------	--------	--------	------	------	-----

Surface casing will be tested to 1500# before drilling out.

3. Production casing:

5700'	7"	23# & 26#/ft	K-55	ST&C	new
-------	----	--------------	------	------	-----

Production casing will be tested to 3000#.

b. Proposed Cementing Program:

1. Conductor Casing:

Conductor casing will be cemented with 150 sks Class B cement. Cement will be brought to surface.

2. Surface Casing:

Surface casing will be cemented with 300 sks "light" cement followed with 300 sks Class B cement. Cement will be brought to surface.

3. Production casing:

Production casing will be cemented with "light" cement followed with Class B cement. For cement volume, caliper will be used with 15% excess. The top of the cement should be around 2000'. If other zones with hydrocarbon potential are encountered, they will be covered with cement.

c. Auxiliary Equipment:

Auxiliary equipment will include upper and lower kelly cocks, a drill string safety valve, and a pit level indicator.

5. Drilling Fluid:

Drilling fluid will be a fresh water based mud system. Spud mud is gel and water with a weight of 8.4-8.8 ppg. From the surface to approximately 1600', gel and water will be used. Mud weight may be up to 9 ppg to control water flow from the Wingate formation. A slurry of 8.6-9.5 ppg, 32-38 viscosity, and less than 15cc/30 min. water loss will be used from 1600'-5200'. Mud weight may be increased to 10.4 ppg if a water flow is encountered. From 5200' to total depth mud properties will be 10.5-12.5 ppg, 40-45 viscosity, and below 10 cc water loss.

Adequate quantities of mud materials will be stored at the location to equal the volume of the rigs complete circulating system. A flow sensor will be used.

6. Testing, logging, and coring:

The logging program will consist of DLL, MSFL, GR, SP, and Caliper from T. D. to the surface casing. A FDC/CNL and a Micro-proximity log will be run from T. D. to 4300'. A temperature or cement bond log will be run to determine cement top. No coring or drill stem tests are planned.

7. Downhole Conditions:

Drilling in the area indicates no abnormal pressures, temperatures, or hydrogen sulfide gas.

8. Phillips anticipates starting operations in the third quarter of 1985. Drilling operations are estimated to take fifteen days per well.

#### CULTURAL RESOURCE REPORT

Division of Conservation Archaeology has prepared a cultural resource inventory of the subject wellsite. A copy of the report has been sent to the BLM Farmington office. Pertinent information regarding the subject well is attached.

#### SURFACE USE PROGRAM

1. Existing Roads

- a. Access to existing lease roads is approximately 5 miles south of Montezuma Creek, Utah.
- b. The existing roads will be maintained in the same or better condition.
- c. Refer to the attached access road map for road information.

2. Access Roads

Planned upgrading of existing access roads is shown on the attached map.

3. Location of Existing Wells.

Locations of existing wells are shown on the attached maps.

4. Production from the proposed well will be piped to Ratherford Unit Tank Battery #1, located in the SW SW Sec. 16-T41S-R24E San Juan County, Utah. The flowline will be visible from the existing lease roads. A plat of the proposed leadline is attached.

5. Water Supply

- a. The source of water to drill the subject well is from the River Booster, NE/4 Sec. 5., or from the Water Injection Plant, SE/4 Sec. 17 in T41S-R24E, San Juan County, Utah.
- b. The drilling water will be trucked from the water source to the subject well.
- c. A water supply well will not be drilled on the lease.

6. Construction Materials

- a. Only native soils will be used for construction of wellsite and the access road.
- b. Pit run rock will be used on the wellsite and access road when needed.
- c. The above materials are owned by the Navajo Tribe.

7. Waste Disposal

- a. Cuttings: Cuttings will be contained in a fenced reserve pit until dry enough to cover. Upon abandonment, the reserve pit area will be backfilled, shaped to natural topography, and seeded.
- b. Drilling Fluid: Drilling fluid will be contained in a fenced reserve pit until dry enough to cover. Upon abandonment, the reserve pit area will be backfilled, shaped to natural topography, and seeded.
- c. Garbage/Trash: All garbage and trash will be put in the burn pit. The burn pit will be fenced on four sides. After the burn pit is no longer in use, the trash and garbage will be covered with a minimum of 4 feet of fill.
- d. Salt: No salts are anticipated on this well. If salt is present, it will be disposed of in the reserve pit.
- e. Chemicals: Chemicals will be disposed of in the reserve pit.
- f. Sewage: Dry chemical toilets will be used.

8. Ancillary Facilities

No ancillary facilities are required.

9. Well Site Layout.

- a. Refer to attached Rig Layout plat
- b. There are no plans to line the reserve pit unless porous soil materials are encountered during construction.

10. Surface Reclamation Plans

- a. Construction Program: The top 8 inches of surface material will be removed and stockpiled. A cross section of the drill site showing cuts and fills is attached.
- b. Well Abandonment: All disturbed areas will be shaped to the natural topography and seeded in accordance with BLM requirements.

- c. Producing Well: Those areas not needed for production purposes will be recontoured to the surrounding topography. Seeding will be in accordance with BLM requirements.
  - d. Pipelines and flowlines: Flowlines will be above ground and follow or be visible from existing roads.
  - e. Rehabilitation will begin as soon as possible, considering weather and other factors, and proceed per recommendation of the BLM. The reserve pit will be reclaimed once it dries.
11. Surface Ownership: The wellsite location, access road and leadline are on the Navajo Indian Reservation. No dwellings are in the proposed drilling area.

12. Other information:

The reserve pit will be lined if needed to contain drilling fluids. The reserve pit will be fenced on three sides during drilling and on the fourth side after the rig is moved out.

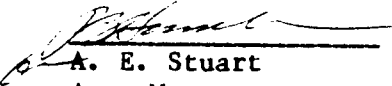
13. Operator's Representative and Certification.

a. Field Representative:

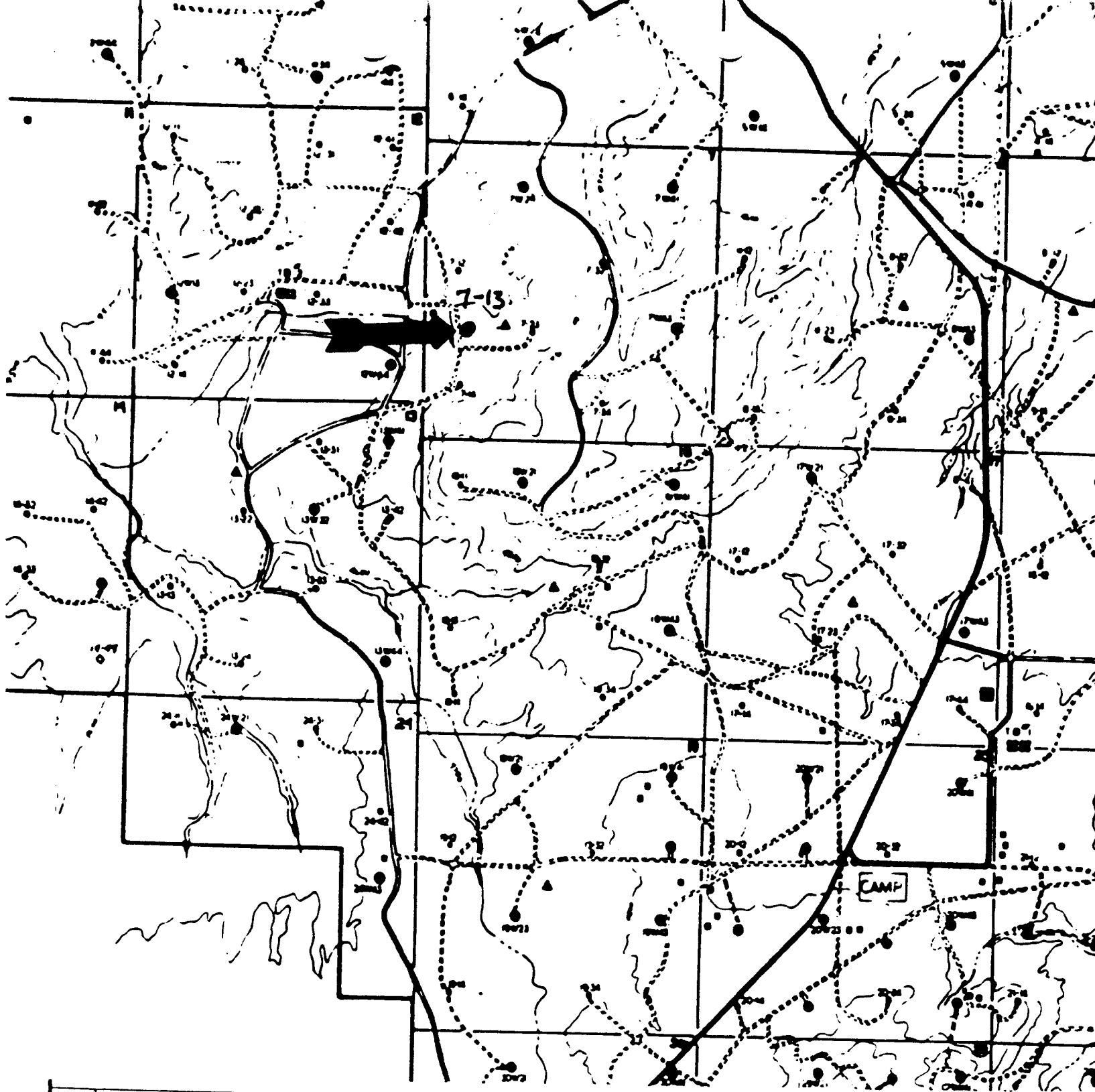
A. E. Stuart  
P. O. Box 2920  
Casper, Wyoming 82602  
307-237-3791



I hereby certify that I or persons under my direct supervision have inspected the proposed drill site and access route; and I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with operations proposed herein will be performed by Phillips Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

Date June 12, 1985

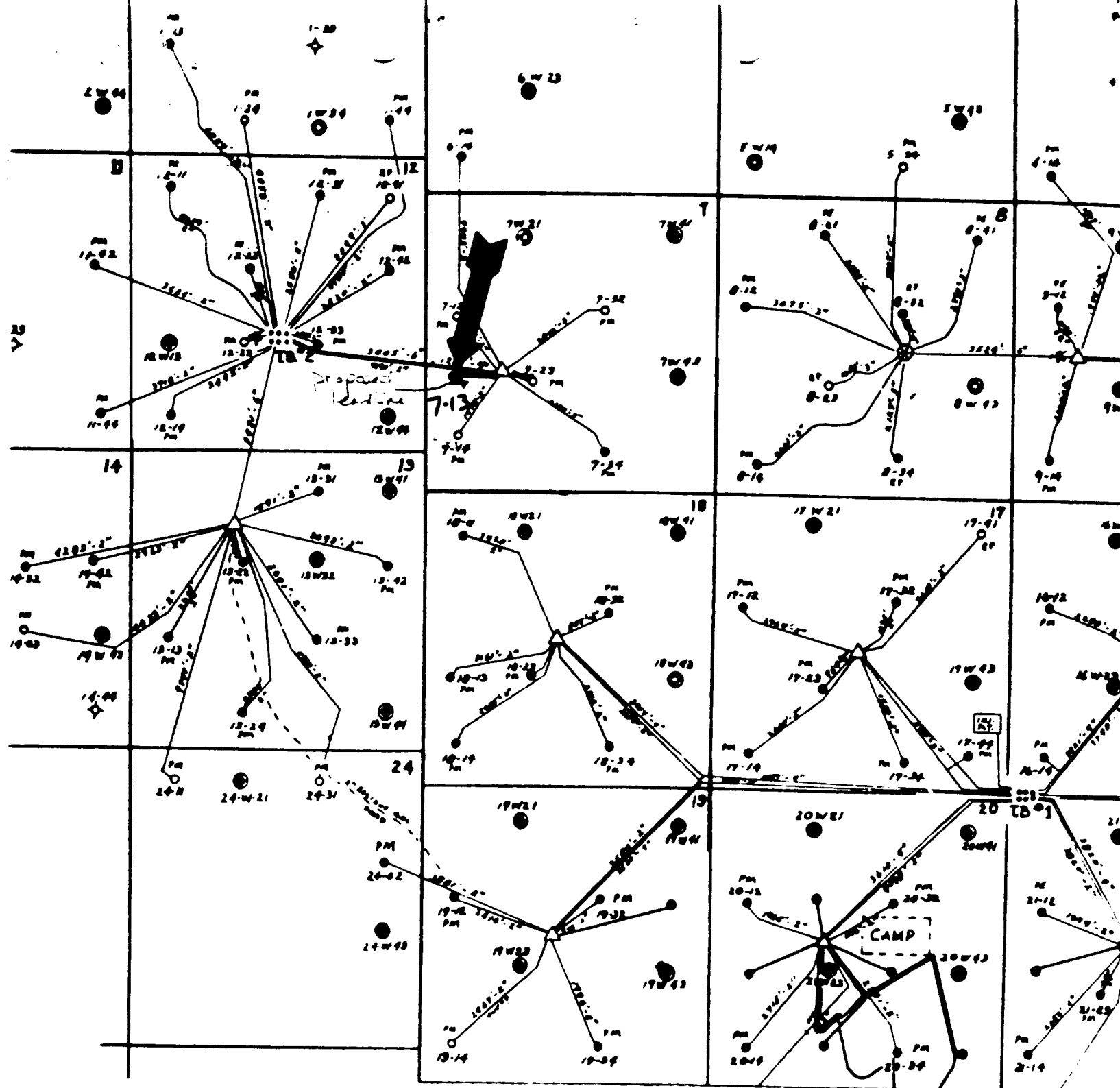
  
A. E. Stuart  
Area Manager



RCT/fb (18)  
Casper - RC

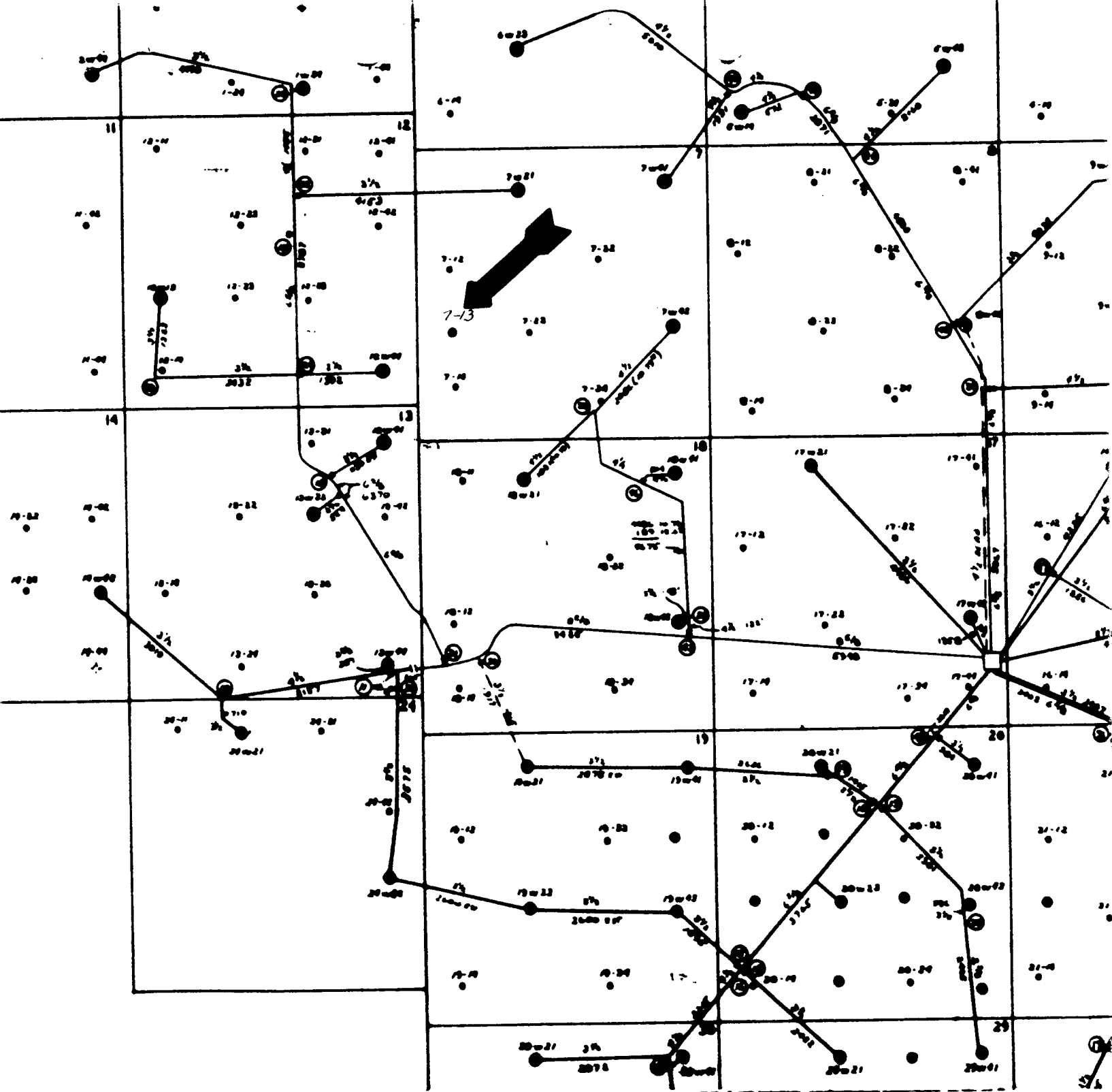




NO	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS	 <b>PHILLIPS PETROLEUM COMPANY</b> BARTLESVILLE, OKLAHOMA 			JA NO	FILE CODE
FOR APPR				AFE NO	SCALE 2.2"=1 MI
FOR CONST				RATHERFORD UNIT WELL 7-13 PROPOSED ROAD PLAT NW SW SEC 7 T41S-R24E SAN JUAN CO., UTAH	
DRAWN 1-17-35 JMM				DWG NO	
CHECKED				SH NO	
APP'D					





NO.		REVISION		BY	DATE	CHKD	APP'D
FOR BIDS	 <b>PHILLIPS PETROLEUM COMPANY</b> BARTLESVILLE, OKLAHOMA		JA NO		FILE CODE		
FOR APPR			AFE NO		SCALE 2.2" = 1 mi		
FOR CONST			DWG NO		SH NO		
DRAWN <u>W. J. B. J. M.</u> CHECKED APP'D		<b>RATHERFORD UNIT WELL 7-13</b> <b>PROPOSED LEADLINE PLAT</b> <b>NW SW SEC. 7 T41S-R24E</b> <b>SAN JUAN CO., UTAH</b>					

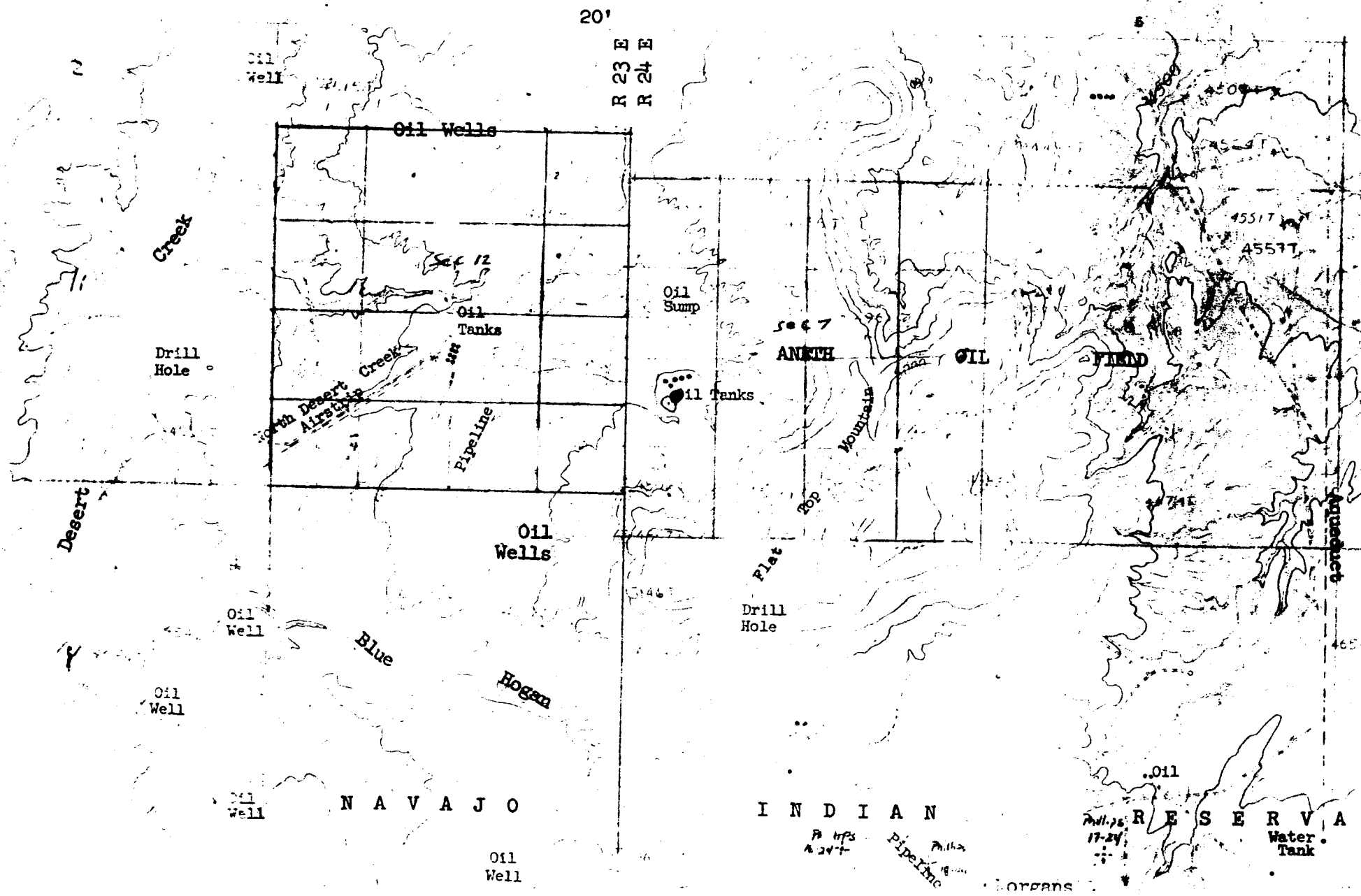


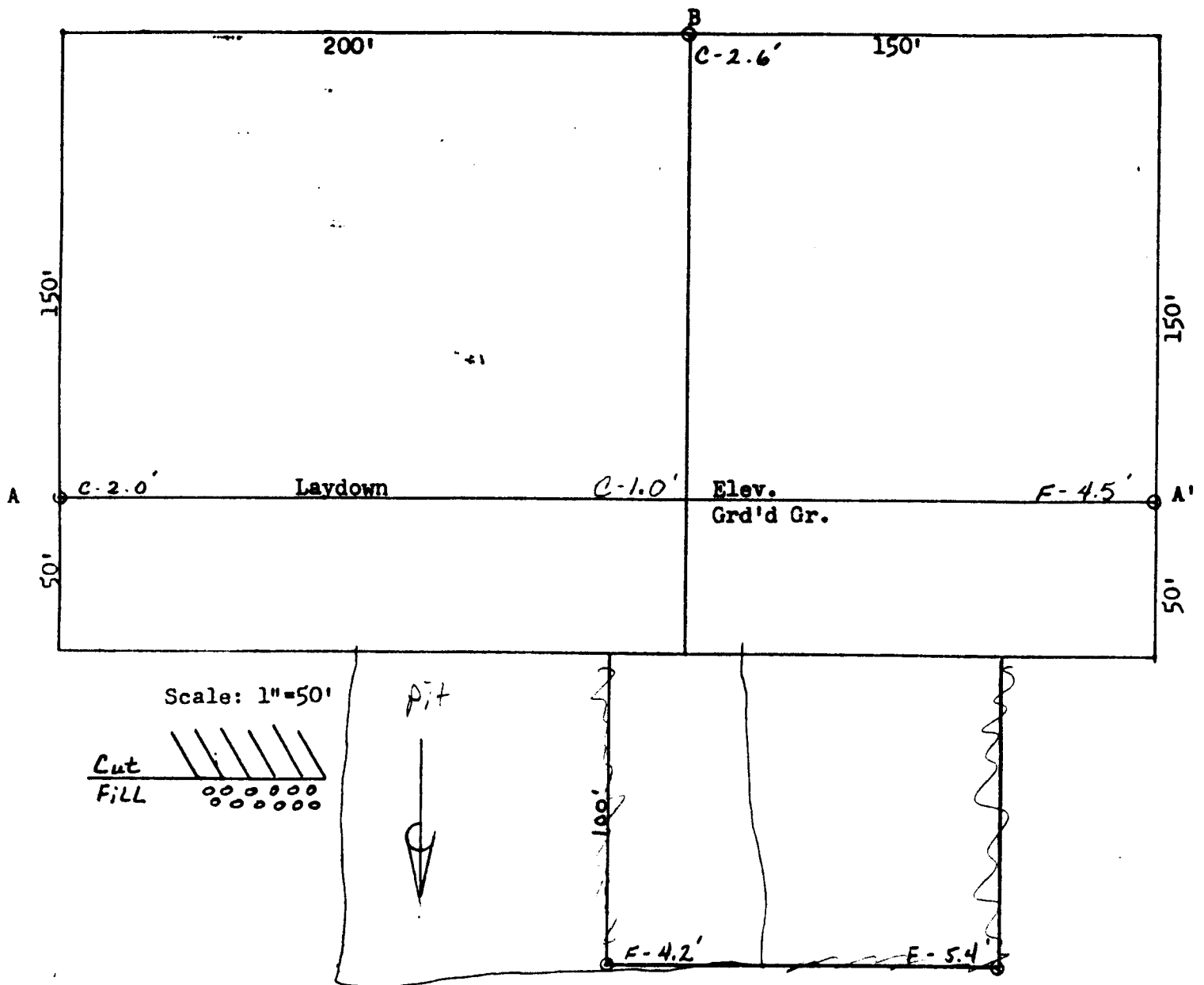
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FOR BIDS		<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  </div> <div> <b>PHILLIPS PETROLEUM COMPANY</b>              BARTLESVILLE, OKLAHOMA           </div> <div style="text-align: center;">  </div> </div>				JA NO.	FILE CODE
FOR APPR						AFE NO.	SCALE 2.2" = 1 mi
FOR CONST						DWG NO.	
DRAWN 3-30-84 BJM		<b>RATHERFORD UNIT WELL 7-13</b> <b>PROPOSED WATER INJECTION LINE</b> NWSW SEC 7 T41S-R24E SAN JUAN CO., UTAH				SH	
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APP'D						'10	

Revd 24  
3-11-85

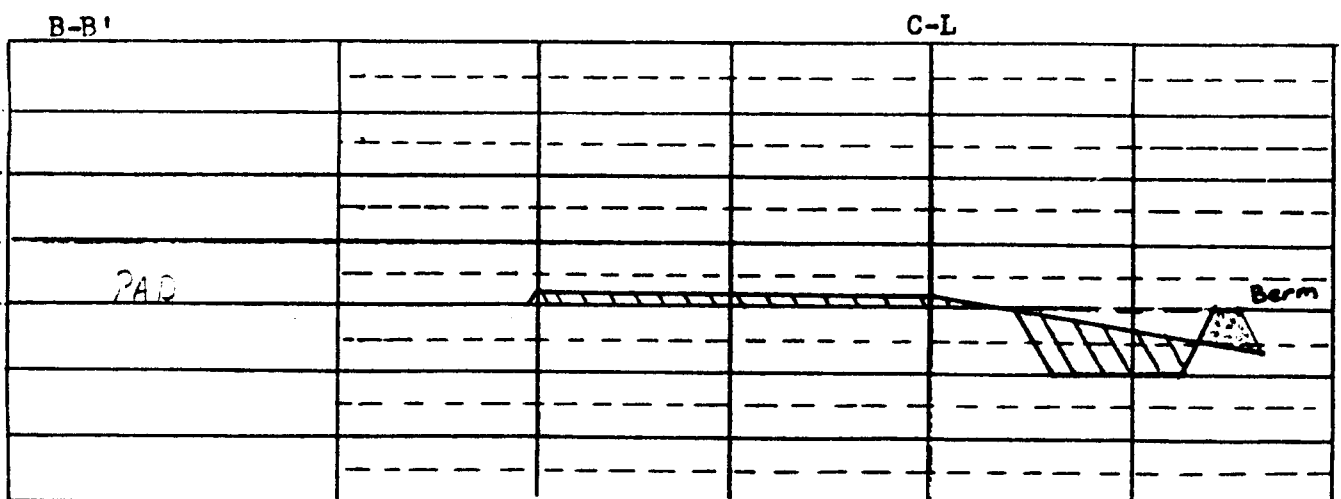
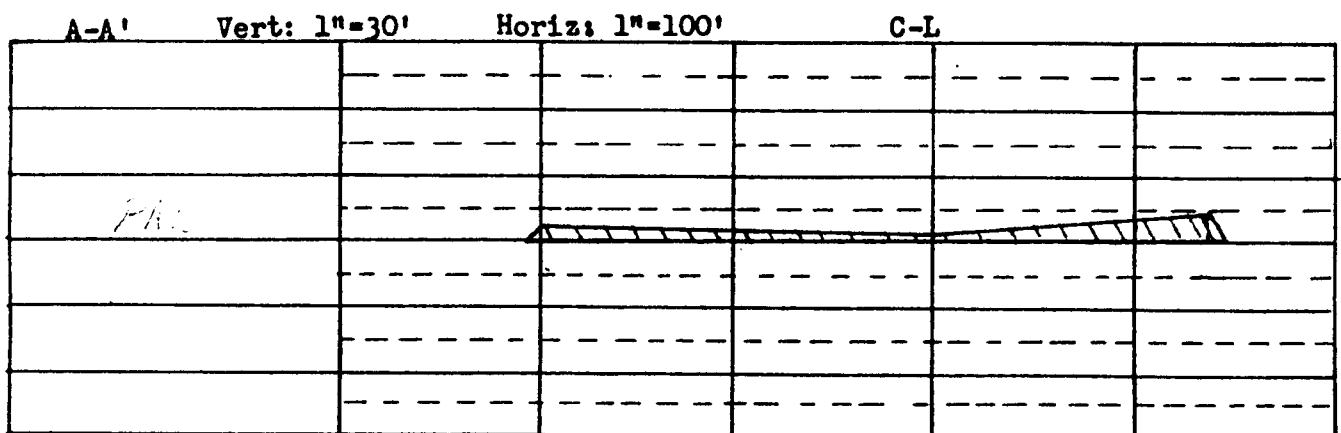
7-13

STATES  
THE INTERIOR  
AL SURVEY



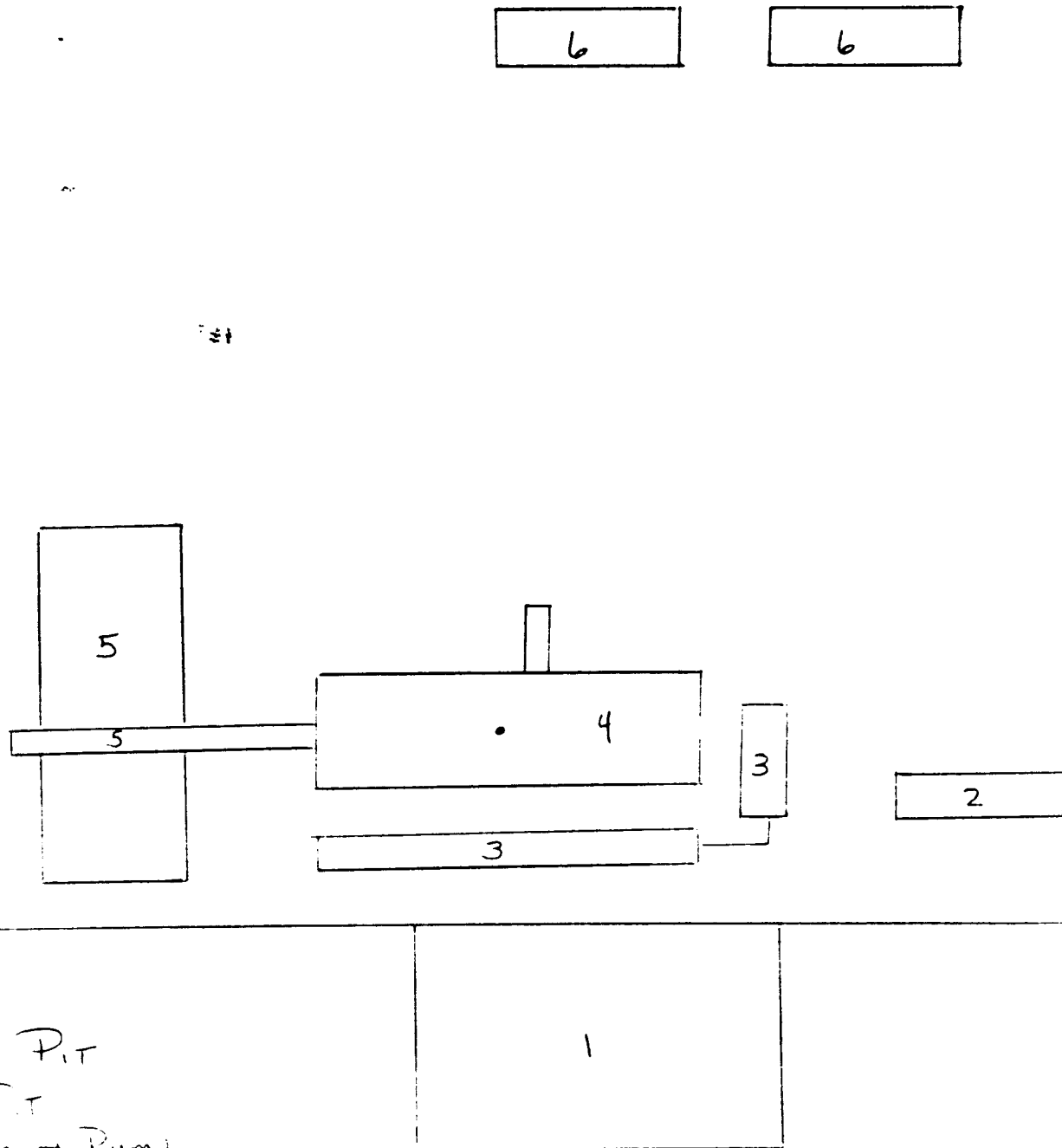


B' 125'





Patford Unit # 7-13  
NW SW Sec 7-T41S-E24E



- 1 RESERVE PIT
- 2 TRASH PIT
- 3 CIR. PITS & Pump
- 4 RIG
- 5 CAS. HEAD & PIPE RACK
6. TRAILERS

### DRILLING RIG LAYOUT

Outline of location Approximately 300' x 350'

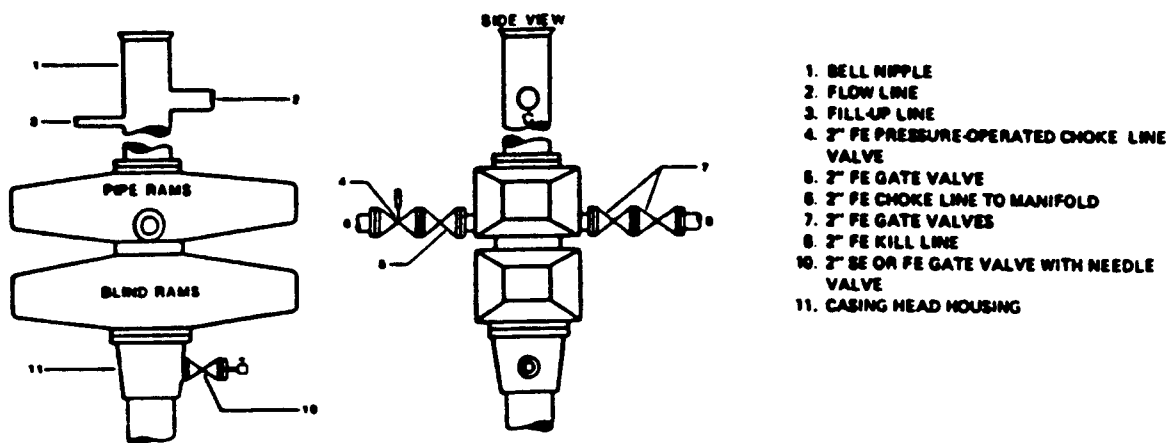


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly  
(2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)

Well Control 4  
January/83

PHILLIPS PETROLEUM COMPANY



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Section II

**7.6 Testing Surface Blowout Preventer Equipment**

**7.6.1 Pressure Test Frequency**

All rams, annulars, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves shall be pressure tested at the following frequencies:

- (1) Initial installation of blowout preventers.
- (2) After setting casing, before drilling cement.
- (3) Every 7 days or on first trip out of hole after 7 days since previous pressure test.
- (4) After any component of the blowout preventer assembly is disturbed, replaced or repaired (this includes lines, valves, or choke manifold). In this case, the component changed may be the only component tested.
- (5) Prior to conducting first drill stem test in a series of one or more DST's.
- (6) Any time the Phillips Wellsite Supervisor deems necessary, such as prior to drilling into suspected high pressure zones.



### 7.6.2 Function Test Frequency

All rams, annulars, valves, and other items specified below, shall be function tested at the following frequencies.

- (1) On initial installation from driller control and remote panel.
- (2) Each trip out of hole alternating between driller's and remote control panel but not more than once every twenty-four (24) hours. Close pipe rams or annular preventer ONLY on drill pipe.

### 7.6.3 Test Pressures

Use the following table to identify which test is appropriate and at what pressure.

TEST	DESCRIPTION
Low Pressure	Test to 200-300 psi prior to each high pressure test.
Initial Installation	<p>Test all rams, annulars, valves, choke manifold, kelly cocks, and safety valves to the lesser of the following pressures.</p> <ul style="list-style-type: none"> <li>. Rated working pressure of the component in the blowout preventer assembly with the exception of annular preventer which is to be tested to 70% of the rated working pressure.</li> <li>. The API rated casing burst pressure of the last casing to be utilized in the well with the BOP assembly being tested.</li> <li>. Rated working pressure of the casing head.</li> <li>. If "Cup Tester" is used do not exceed 80% of the API rated burst pressure of the casing.</li> </ul>
Repair	Repaired or replaced components are to be tested to the same pressures used in the Initial Test.



**7.6.3, cont'd**

TEST	DESCRIPTION
Weekly and After Setting Casing	<p>Test all rams, annulars, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves, to the lesser of the following pressures.</p> <ul style="list-style-type: none"> <li>. 50% of the rated working pressure of the component to be tested.</li> <li>. 80% of the API rating of the casing burst pressure then in the well.</li> <li>. Test blind rams during internal casing pressure test. (Refer to drilling program for test pressures).</li> </ul>
DST Operations	<p>Test all pipe rams, annular preventers, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves to the maximum anticipated surface pressure expected while conducting drill stem tests. Do not test annular to more than 70% of its working pressure.</p>
Shallow Casing	<p>Where cased hole is less than 2000 feet measured depth, the test pressure may be 1.5 psi per foot of casing depth, not to exceed 80% of the API rated burst pressure. In the case of shallow conductor casing or drive pipe (500 feet or less) that is equipped with one BOP, then the test pressures do not need to exceed 1.0 psi per foot of casing depth.</p>
Accumulator	<p>Test accumulator to the manufacturer's rated working pressure. Test the accumulator for time to pump up to specifications.</p>

**7.6.4 Blowout Preventer Test Practices**

- (1) All pressure tests shall be witnessed by Phillips' Representative and the Contractor's Senior Supervisor on Location. All tests shall be recorded on the Phillips' Daily Drilling Report, the IADC Report and the BOP Test Form; see Figure 7-13. A reproducible copy of the BOP Test Form (Figure 7-13) can be found in Section III.



**7.6.4, cont'd**

- (2) Hold all low pressure tests for three minutes and high pressure tests for five minutes or until Phillips Representative and the Contractor's Senior Supervisor are satisfied no leaks exist.
- (3) A detail procedure for the testing of blowout preventer and choke manifold equipment will be included in the drilling programs. The procedure is to be distributed for each drilling unit under contract by the operating office. Each operating office must include the following practices:
  - a. Prior to testing, all lines and valves will be thoroughly flushed to ensure the system is clear. Test all opening and closing control lines to 1500 psi and inspect for leaks.
  - b. If necessary, run a stand of drill collars below the test plug to prevent unseating the test tool during testing.
  - c. All precautions must be taken to avoid pressuring the casing below the test tool.
  - d. The running string is to be full of water (or antifreeze solution) for immediate indication of test tool leakage.
  - e. All pipe rams, blind/shear rams, blind rams, annular preventers, valves, fail-safe valves, choke and kill lines are to be tested at the frequencies and pressures outlined in this section.
  - f. Drill pipe safety valve, lower and upper kelly cocks are to be tested from below at pressures and frequencies outlined in this section.
  - g. All test fluids are to be bled back to the pump unit in safe manner.

**7.6.5 Testing Wellhead Pack-offs**

The wellhead pack-off is to be pressure tested upon installation for five minutes. Test pressure is to be 80% API rated casing collapse or the rated working pressure of the casing head whichever is the lesser. Casing annulus valve(s) must be in open position to prevent casing collapse during pack-off testing.

When testing the wellhead pack-off, use recorded test pressures and volumes to determine if pack-off is leaking. Pressure should be immediately released at the first indication of a leak.

#### 7.6.6 Safety Precautions

One pumping unit operator is to be stationed at the high pressure pumping unit, and is to remain at this station until all testing has been completed. The pump unit operator is to be in continuous communication with the person who is recording the test data. The Phillips Wellsite Supervisor and Contractor's Senior Supervisor on location will be the only personnel who will go into the test area to inspect for leaks when the equipment involved is under pressure. The rig crews are to stay clear of the area until such time that both the Phillips Wellsite Supervisor and the Contractor's Senior Supervisor have contacted the pumping unit operator and all three have agreed that all pressure has been released, and there is no possibility of pressure being trapped. The rig crews may then go into the area to repair leaks or work as directed.

All lines, swings, and connections that are used in the testing of the blowout preventers are to be adequately secured in place.

Pressure is to be released only through the pressure release lines that are vented back into the pump unit tanks. The lines are to be clamped down to direct the flow into unit tanks.

Project No. 19-85-C  
BIA DCA-85-187

NAO-BIA Use Authorization  
No. 84-DCA-013-1 (Navajo)  
Navajo Nation Permit No. 84-22

State of Utah No. U-84-3

**An Archaeological Survey of  
17 Well Pads and Their Access Routes  
and Pipelines near White Rock Curve Village,  
San Juan County, Utah**

for

**Phillips Petroleum Company**

**Ratherford Unit:**

1-14	12-21	17-31
7-11	12-32	17-42
7-13	12-43	18-22
7-22	16-13	18-31
7-44	17-11	18-42
12-12	17-22	

by

**Roger A. Moore and Timothy M. Kearns  
Supervisory Archaeologists**

**Submitted by**

**Margaret A. Powers  
Principal Investigator**

**DIVISION OF CONSERVATION ARCHAEOLOGY**

**Contributions to Anthropology Series, No. 963  
San Juan County Archaeological Research Center and Library**

**April 19, 1985**

**Table 1**  
**Legal Description for Well Pads**

Well Pad No.	AFE #	LEGAL DESCRIPTION						UTM COORDINATES					
		T	R	Sec.	1/4	1/4	1/4	Center of Well Pad			End of Access route (pipeline)		
								Zone	Northing	Easting	Zone	Northing	Easting
1-14	POC-R259	41S	23E	1		SW	SW	12	4123375	646550	12	4122960	646600
		41S	23E	12	N 1/2	NW	NW						
7-11	POC-R258	41S	24E	7	E 1/2	W 1/2	NW	12	4122800	648200	12	4122800	648000
					S 1/2	NE	NW					(4122025	648200)
					NE	SE	NW						
					W 1/2	SW	NE						
7-13	POC-R257	41S	24E	7	N 1/2	NW	SW	12	412075	648200	12	(4122025	648500)
					W 1/2	NE	SW						
7-22	POC-R256	41S	24E	7	CT	SE	NW	12	4122450	648600	12	4121975	648575
					W 1/2	SE	NW					(4122025	648500)
					W 1/2	NE	SW						
7-44	POC-R253	41S	24E	*		SE	SE	12	4121625	649475	12	(4122025	648500)
					SW	NE	SE						
					S 1/2	NW	SE						
12-12	POC-R252	41S	23E	12	N 1/2	SW	NW	12	4122650	646560	12	4122300	646575
						SE	NW					(4122450	647150)
					NE	NE	SW						
12-21	POC-R251	41S	23E	12		NE	NW	12	4122975	646940	12	4122900	647150
					E 1/2	SE	NW					(4122450	647150)
					NE	NE	SW						
12-32	POC-R250	41S	23E	12	NE	SW	NE	12	4122650	647450	12	4122775	647375
					NW	SW	NE					(4122450	647150)
					E 1/2	SE	NW						
					NE	NE	SE						

**Table 2**  
**Area Surveyed**

<b>Well Pad No.</b>	<b>APE #</b>	<b>Footages for Well</b>	<b>Well Pad<sup>1</sup></b>	<b>Access Route<sup>1</sup></b>	<b>Pipeline<sup>1</sup></b>	<b>Acres</b>
1-14	POC-R259	660' F/SL 660' F/WL	300' x 350' (400' x 450')	1600' x 20' (1600' x 60')	900' x 20' (900' x 60')	7.58
7-11	POC-R258	660' F/NL 710' F/WL	300' x 350' (400' x 450')	600' x 20' 400' x 20' (1000' x 60')	3400' x 20' (3400' x 60')	10.19 (
7-13	POC-R257	2110' F/SL 740' F/WL	300' x 350' (400' x 450')	-----	1000' x 20' (1000' x 60')	5.51
7-22	POC-R256	1980' F/NL* 1990' F/WL	300' x 350' (450' x 450')	1350' x 20' (1350' x 60')	100' x 20' (100' x 60')	6.66
7-44	POC-R253	625' F/SL* 560' F/EL	300' x 350' (500' x 500')	-----	4000' x 20' (4000' x 60')	11.25
12-12	POC-R252	1850' F/NL 660' F/WL	300' x 350' (450' x 550')	50' x 20' (50' x 60')	2000' x 20' (2000' x 60')	8.51
12-21	POC-R251	660' F/NL 1980' F/WL	300' x 350' (400' x 450')	400' x 20' (400' x 60')	2300' x 20' (2300' x 60')	7.85 (
12-32	POC-R250	1820' F/NL 1820' F/EL	300' x 350' (450' x 450')	300' x 20' (300' x 60')	700' x 20' (700' x 60')	6.03
12-43	POC-R249	2100' F/SL 660' F/EL	300' x 350' (400' x 450')	-----	3000' x 20' (3000' x 60')	8.27
16-13	POC-R248	1980' F/SL 660' F/WL	300' x 350' (400' x 450')	230' x 20' (230' x 60')	2400' x 20' (2400' x 60')	7.76
17-11	POC-R247	1075' F/NL 800' F/WL	300' x 350' (400' x 450')	400' x 20' (400' x 60')	3100' x 20' (3100' x 60')	8.95

Table 3  
Isolated Loci Descriptions

IL No.	Well No.	LEGAL DESCRIPTION				UTM		Description
		T	R	Sec.	Zone	Northing	Easting	
1	1-14	41S	23E	1	12	4123375	646525	One gray quartzite multidirectional core; 14 x 12.5 x 9cm.
2	1-14	41S	23E	1	12	4123400	646525	One chert tertiary core reduction flake, completely covered by desert varnish; 7cm long, 5cm wide, 2.5cm thick.
3	1-14	41S	23E	1	12	4123100	646600	Historic dump: one early 1950s Chevrolet 4-door sedan, two 2.5-gallon gas cans, five rusted Coors cans (opened with church key), steel cable, three Dr. Pepper bottles, one pair of rubber boots (size 9), three 1-qt metal oil cans.
4	7-13	41S	24E	7	12	4122100	648250	About 40 pieces of scrap iron (pipe, angular chunks and angle iron).
5	7-13	41S	24E	7	12	4122095	648225	One white chalcedony biface fragment 3cm long, 2.2cm wide, 0.6cm thick.
6	7-22	41S	24E	7	12	4122465	648610	One core, one core fragment, six flakes; core fragment and flakes all from this core. Material: desert varnish to reddish tan cortex, tan banding just under cortex, interior is light greenish gray chert. Flakes: three large secondary core reduction and three large tertiary core reduction.

## PROJECT DESCRIPTIONS

### Well 1-14

The proposed well pad is on the edge of a broad bench above the east bank of Desert Creek. Most of the west half of the pad is on slickrock. The east half is covered by decomposing bedrock and a thin sandy soil. A scrubland community provides about 10 percent cover.

From the northeast side of the pad, the access route goes east about 300 ft, then south along the inside edge of the bench to well 12-11. The pipeline continues southeast and east to where it ties into the pipeline to well 12-12, and follows that right-of-way to the satellite in Section 12.

**Cultural Resources:** Three isolated loci were found (Table 3). IL 1 (a core) and 2 (a flake) were found on the well pad. IL 3, an historic trash dump just east of the access route, probably dates from the early 1960s. The research potential of the isolated loci has been exhausted by field recording.

**Recommendations:** Archaeological clearance is recommended.

### Well 7-11

The proposed well pad is covered by a series of dune-capped ridges separated by deep washes and shallow drainages. It is located in the dune field just west of Flat Top Mountain. From the west side of the pad the access route and pipeline runs west-southwest 500 ft to the bladed road. It follows the east side of the bladed road south to well 7-13, then follows the 7-13 pipeline right-of-way east to the satellite in Section 7. The route the surveyors used to drive to the well pad when they staked it (from northwest of pad) was also surveyed (400 ft).

**Cultural Resources:** No sites or isolated loci were found.

**Recommendations:** Archaeological clearance is recommended.

### Well 7-13

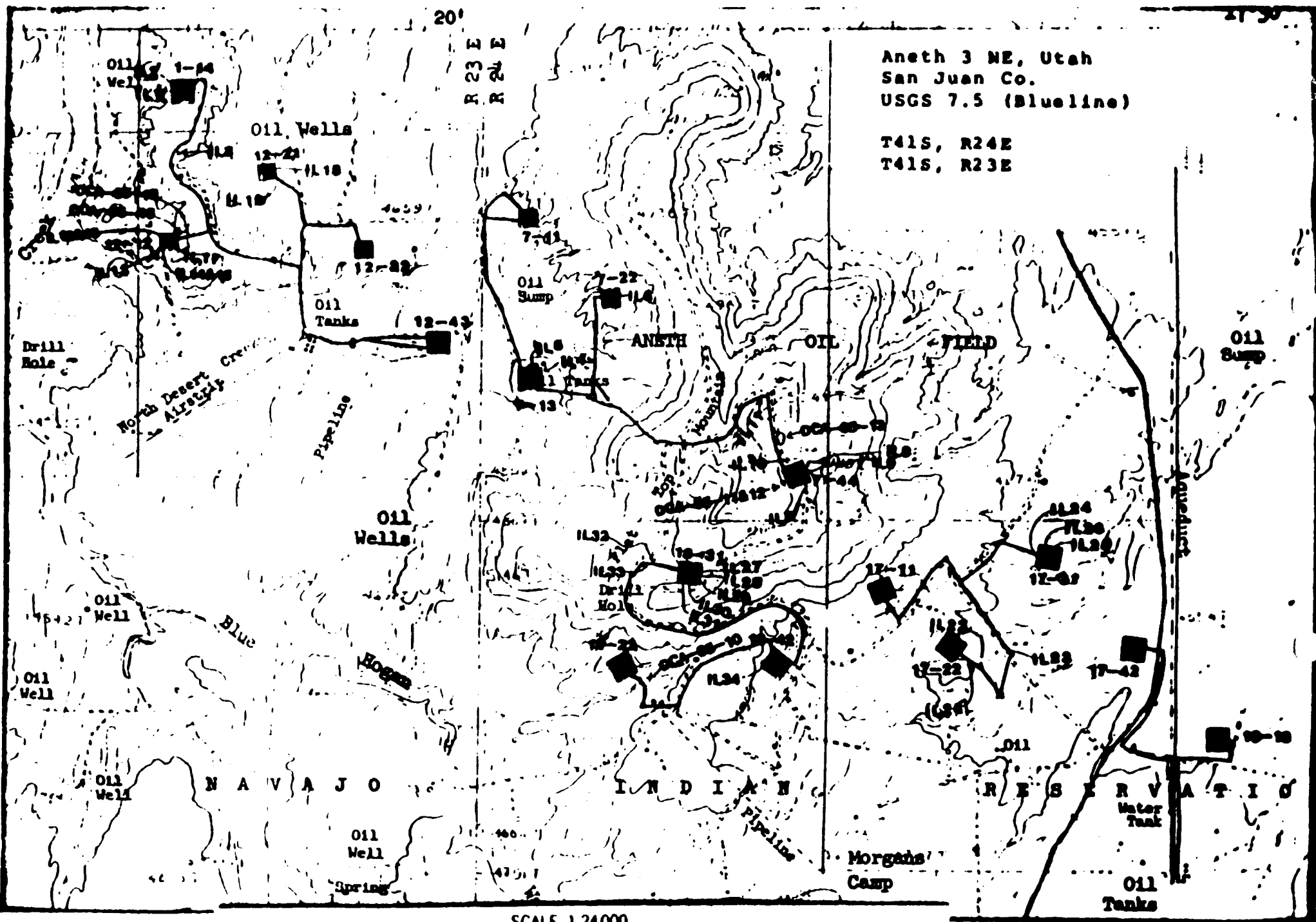
The proposed well pad is in the broad upland valley just west of Flat Top Mountain. Bordered on the south and west by bladed dirt roads, the pad is covered by the semistable sand dune field. The tank battery shown on the quad map at this location no longer exists. Access will be by a bladed road that runs along the south side of the pad. The pipeline right-of-way leaves the southeast corner of the pad and parallels the north side of the bladed road east to the Section 7 satellite.

**Cultural Resources:** Two isolated loci were found. IL 4 is scraped iron from an abandoned well pad just north and northeast of well 7-13. IL 5 is a biface (Table 3).

**Recommendations:** Archaeological clearance is recommended.



FIGURE 1



Aneth 3 NE, Utah  
San Juan Co.  
USGS 7.5 (BlueLine)

T41S, R24E  
T41S, R23E

SCALE 1:24000

0 1000 2000 3000 4000 5000 6000 7000 FEET

0 1 KILOMETER



# DIVISION OF CONSERVATION ARCHAEOLOGY

San Juan County  
Museum Association

April 19, 1985

Mr. Jon Weichbrodt  
Phillips Petroleum Company  
P.O. Box 1150  
Cortez, Colorado 81321

Re: BIA DCA-85-187

Dear Mr. Weichbrodt:

Our report on the archaeological survey of 17 well pads, access roads and pipeline right-of-ways in the Ratherford Unit, San Juan County, Utah is enclosed. Six sites and 34 isolated loci were found.

We have recommended clearance for all 17 locations (with stipulations for wells 7-44, 12-12 and 18-22 (see report for details)). Wells 7-24 and 7-33 require further treatment of archaeological sites and will be submitted in a separate report so they will not delay construction of the others.

The Bureau of Indian Affairs will review this report and make the final decision on archaeological clearance for your project. The Bureau of Indian Affairs in Window Rock should notify the Real Property Management office of the Shiprock Bureau of Indian Affairs of its decision.

An invoice will follow. We have enjoyed working with you and hope we can be of service again. If you have any questions, please call us. We will be happy to help you.

Sincerely,

Roger A. Moore  
Supervisory Archaeologist

cc: Mark Henderson, BIA, Window Rock (6)  
State Historic Preservation Office, Salt Lake City

# APPLICATION TO APPROPRIATE WATER STATE OF UTAH

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☒ Other Uses ☐

2. The name of the applicant is PHILLIPS PETROLEUM COMPANY

3. The Post Office address of the applicant is Bartlesville, Oklahoma

4. The quantity of water to be appropriated is -- 8 -- second-feet or            acre-feet

5. The water is to be used for See Explanatory from January 1 to December 31  
(Major Purpose) (Month) (Day) (Month) (Day)

other use period            from            to             
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from            to             
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is             
(Leave Blank)

7. The direct source of supply is Underground water and subsurface flow of San Juan River  
(Name of stream or other source)

which is tributary to Colorado River tributary to           

\*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in San Juan County, situated at a point\*  
See Explanatory #1-S.1000 ft. and W. 150 ft.; #2-S.1000 ft. and W. 450 ft.;  
#3-S.1000 ft. and W. 750 ft.; #4-S.1000 ft. and W. 1050 ft.; #5-S.1000 ft. and  
W. 1350 ft.; #6-S.1000 ft. and W. 1650 ft.; #7-S.1000 ft. and W. 1950 ft.;  
#8-S.1000 ft. and W. 2250 ft.; #9-S.1000 ft. and W. 2550 ft.; and #10-S.1000 ft. and  
W. 2850 ft.; all from NE Cor. Sec. 5, T15S, R21E, S18E. (See letter of 2-16-51 attach.)

\*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of See Explanatory

10. If water is to be stored, give capacity of reservoir in acre-feet            height of dam             
area inundated in acres            legal subdivision of area inundated           

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:

           Total            Acres

12. Is the land owned by the applicant? Yes            No           

13. Is this water to be used supplementally with other water rights? Yes            No           

If "yes," identify other water rights under explanatory.

14. If application is for power purposes, describe type of plant, size and rated capacity           

15. If application is for mining, the water will be used in Greater Aneth Area             
oil field            where the following ores are mined oil and gas

16. If application is for stockwatering purposes, number and kind of stock watered           

17. If application is for domestic purposes, number of families to be served           

18. If application is for municipal purposes, name of municipality           

19. If application is for other uses, include general description of proposed uses           

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. See Explanatory

21. The use of water as set forth in this application will consume -- 8 -- second-feet of water  
and -- 0 -- second feet will be returned to the natural stream or source at a point described  
as follows:           

POOR COPY

## EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

## ITEM 7

The water will be pumped from the diversion area to the oil field where the water will be injected under pressure through deep wells into the petroleum-bearing formations for pressure maintenance and secondary recovery purposes.

## ITEM 8

The point or points of diversion from the source will be in Section 5, T41S, R24E S1M, San Juan County, situated as follows: From that point at which the south bank of the river channel intersects the east line of Section 5, T41S, R24E, to that point at which the South bank of river channel intersects the North line of Section 5, T41S, R24E.

Diversion will be from one or more wells or infiltration galleries to be drilled in the alluvial fill and to be located as close to the South bank of the river channel as is practical within the east-west limits as above defined.

Specific location and number of diversion points will be determined by a hydrographic survey and/or producing characteristics of wells to be drilled. The aggregate withdrawal, the rate of which is not to exceed that specified in this application, will be commingled in a conveyance works described in greater detail herein.

## ITEM 9

The diverting and carrying works will consist of 12-1/4" diameter wells, cased with 35 to 50 feet of 8-5/8 inch outside diameter pipe to be drilled to depths of from 35 feet to 50 feet and about 10,000 feet of 10-3/4 inch conveyance pipe to places of use.

## ITEM 10

Township 41 South, Range 23 East, S1M

S/2 Sec. 1; SE/4 Sec. 2; E/2 Sec. 11; All Sec. 12; All Sec. 13, E/2 Sec. 14, NE/4 Sec. 24.

Township 41 South, Range 24 East, S1M

All Sections 3, 4, 5, 6, 7, 8, 9, 10; W/2 Sec. 11, W/2 Sec. 14; All Sections 15, 16, 17, 18, 19, 20, 21; NW/4, W/2 SW/4 Sec. 22; W/2 NE/4, NW/4, W/2 SW/4 Sec. 28; All Sections 29, 30; N/2 Sec. 31; N/2 Sec. 32.

Said described lands, which are in San Juan County, Utah, constitute the Rutherford portion of the Greater Aneth Area oil field.

Continued on page 4

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

PHILLIPS PETROLEUM COMPANY

By:

Signature of Applicant

VICE PRESIDENT OF PRODUCTION

\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

## DECLARATION OF CITIZENSHIP

STATE OF UTAH, }  
County of..... }

On the ..... day of ..... 19....., personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

(SEAL)

Notary Public

POOR COPY

## FEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.	Cost
0.0 to 0.1.....	\$ 10.00
over 0.1 to 0.5.....	20.00
over 0.5 to 1.0.....	30.00
over 1.0 to 15.0.....	30.00 plus \$5/cfs above 1.00 cfs.
over 15.0.....	100.00
Storage — acre-feet	
0 to 20.....	15.00
over 20 to 500.....	30.00
over 500 to 7500.....	30.00 plus \$5/500 a. f. above first 500
over 7500.....	100.00

(This section is not to be filled in by applicant)

## STATE ENGINEER'S ENDORSEMENTS

1. *Jan. 21, 1961* Application received *by mail* in State Engineer's office by *over counter*
2. Priority of Application brought down to, on account of.....
3. *Jan. 27, 1961* Application fee, \$*5.50*, received by..... Rec. No. *02265*
4. *Mar. 15, 1961* Application *PHOTOSTATED* in book *711.32* page *327*, and indexed by *E. T. Moore*
5. *Mar. 15, 1961* Application plotted by *W. B. Smith* (Date *Mar. 15, 1961*)
6. *April 7, 1961* Application examined by *W. B. Smith*
7. Application returned, ..... or corrected by office.....
8. Corrected Application resubmitted *over counter* to State Engineer's office.  
*by mail*
9. *April 7, 1961* Application approved for advertisement by *W. B. Smith*
10. *June 16, 1961* Notice to water users prepared by *R. K. H.*
11. *June 27, 1961* Publication began; was completed *July 13, 1961*  
Notice published in *San Juan Record, Monticello, Utah*
12. *June 27, 1961* Proof slips checked by *S. J. D.*
13. Application protested by.....
14. *July 25, 1961* *Subscriber paid me \$22.10/6.00*  
Hearing held by.....
15. Field examination by.....
16. *Sept. 5, 1961* Application designated for *approval* *rejection*
17. *Sept. 11, 1961* Application copied or photostated by *T. E.* proofread by.....
18. *Sept. 11, 1961* Application *approved* *rejected*
19. Conditions:  
This Application is approved, subject to prior rights, as follows:  
a. Actual construction work shall be diligently prosecuted to completion.  
→ b. Proof of Appropriation shall be submitted to the State Engineer's office by *Feb. 28, 1963*  
c. ....
20. Time for making Proof of Appropriation extended to.....
21. Proof of Appropriation submitted.
22. Certificate of Appropriation, No. ...., issued

*Wayne D. Criddle*  
Wayne D. Criddle State Engineer.

Application No. *32273*

POOR COPY

## EXPLANATORY CONTINUED

The use of the applied for water for the planned pressure maintenance and secondary recovery operations will permit the recovery of substantial quantities of oil and gas which would otherwise not be recovered.

## NOTICE TO APPLICANT

POOR COPY

All waters in this state, whether above or under the ground, are the property of the public, subject to all existing rights to the use thereof. No appropriation of the unappropriated public water may be made and no rights to the use thereof shall be recognized except Application for such appropriation first be made to the State Engineer.

The approval of this Application is not a Certificate of Appropriation. It is merely your authority to begin construction work, which must be prosecuted diligently to completion. To secure a Certificate of Appropriation under this Application, Proof of Appropriation must be submitted within the time limit allowed by the State Engineer. The amount of water for which Certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water specified in this Application. Proof of Appropriation must be made in accordance with the requirements of the law. For further information write the State Engineer.

*Lewis  
Hawkins  
file/SS*

October 13, 1961

AIRMAIL

Mr. Clair M. Senior  
Senior & Senior  
Attorneys at Law  
10 Exchange Place  
Salt Lake City, Utah

Re: Alternate or Additional Source of Water  
for the Ratherford Unit, San Juan County, Utah

Dear Clair:

Herewith in triplicate is completed and signed application to the Utah State Engineer for additional and alternate points of diversion for water for water-flood purposes in the Ratherford Unit. I would appreciate it if you would handle this matter with the Water Engineer and, as diplomatically as possible, urge upon him the importance of expediting the matter as much as possible.

Having gotten these papers back from the Production Department too late to get a check for the filing fee, I would ask that you advance the fee and, upon being billed, I will send you the check.

If you need any additional information, please advise.

Very truly yours,

RMW:jd  
Enclosures

R. M. Williams

cc - Mr. Shofner Smith ✓

POOR COPY

# Application for Permanent Change of Point of Diversion, Place and Nature of Use of Water STATE OF UTAH

Do not fill out this blank until you have read carefully and thoroughly understand the "Rules and Regulations" on the back hereof and all the notes in the body of it.

For the purpose of obtaining permission to permanently change the point of diversion, ~~place or nature of use of~~ (Strike out written matter not needed)

water right acquired by.....original Application No. 32773  
(Give No. of Application, certificate of appropriation, title and date of Decree or other Identification of right)  
to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. The name of the applicant is. Phillips Petroleum Company
2. The post-office address of the applicant is. Bartlesville, Oklahoma
3. †The flow of water which ~~has been or~~ was to have been used in second-feet is. 8
4. †The quantity of water which has been or was to have been used in acre-feet is. XX
5. †The water ~~has been or~~ was to have been used each year from. January 1 to December 31 incl.  
(Month) (Day) (Month) (Day)
6. †The water has been or was to have been stored each year from. XX to XX incl.  
(Month) (Day) (Month) (Day)
7. The drainage area to which source of supply belongs is.....  
(Leave blank)
8. The direct source of supply is. Underground water and subsurface flow of San Juan River  
in. San Juan County.
9. †The point of diversion as described in the original Application ~~or the point at which the water has been diverted if~~ <sup>are</sup> situated at 1 point ~~s~~ in Section 5, T. 41S., R. 24E as more particularly set out in the original Application No. 32773.

10. †The water involved ~~has been or~~ was to have been used for the following purposes:

Pressure maintenance and secondary recovery purposes

Total. XX Acres.

NOTE—If for irrigation, give legal subdivision of land and total acreage which has been or was to have been irrigated. If for other purposes, give nature, place and extent of use or proposed use.

11. †The point at which water has been or was to have been returned to the stream channel is situated as follows: XX

NOTE—The above space is to be filled in only when all or part of the water is returned to the natural stream or channel.

## The Following Changes Are Proposed

12. The flow of water to be changed in cubic feet per second is. No change
13. The quantity of water to be changed in acre-feet is. XX
14. The water will be used each year from. January 1 to December 31 incl.  
(Month) (Day) (Month) (Day)
15. The water will be stored each year from. XX to XX incl.  
(Month) (Day) (Month) (Day)
16. The point at which it is now proposed to divert the water is situated (See note).  
See explanatory

NOTE—The "point of diversion," or "point of return," must be located by course and distance or by rectangular distances with reference to some regularly established United States land corner or United States mineral monument if within a distance of six miles of either, or if a greater distance, to some prominent and permanent natural object.

17. The proposed diverting and conveying works will consist of wells and conveyance pipe as explained in original Application No. 32773

18. The cross-section of the diverting channel will be. XXXXXXXXXX ○  
(Strike out ones not needed)

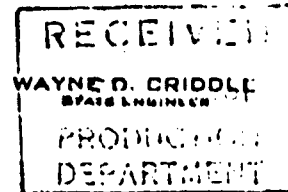
19. The nature of the diverting channel will be: earth, wood, iron, concrete.  
(Strike out the ones not needed)

†Strike out written matter not needed.





THE STATE OF UTAH  
OFFICE OF STATE ENGINEER  
SALT LAKE CITY



September 11, 1961

Phillips Petroleum Company  
Bartlesville,  
Oklahoma

Gentlemen:

RE: APPROVED APPLICATION NO. 32773

Enclosed find Approved Application No. 32773. This is your authority to proceed with actual construction work which, under Sections 73-3-10 and 73-3-12, Utah Code Annotated, 1953, as amended, must be diligently prosecuted to completion. The water shall be put to beneficial use and proof of appropriation made to the State Engineer on or before ~~February 28, 1961~~ otherwise the application will lapse.

Failure on your part to comply with the requirements of the statutes may result in forfeiture of this application.

Yours truly,

*Wayne D. Criddle*

Wayne D. Criddle  
STATE ENGINEER  
STATE CAPITOL BUILDING  
SALT LAKE CITY, UTAH

ADDRESS ALL COMMUNICATIONS TO:

js

Encl: Copy of approved application

APPLICATION APPROVED

## NOTICE TO APPLICANT

The approval of this Application is not a certificate of change. It is merely your authority to begin construction work, which must be diligently prosecuted to completion. To secure a certificate of change under this Application proof of change must be submitted within the time limit allowed by the State Engineer. The amount of water for which certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water covered by the original right. For further information write the State Engineer.

## RULES AND REGULATIONS

Applicants will save time and expense by familiarizing themselves with the law before making Applications.

If the reservoir is to be located on the channel of the source from which the water is to be appropriated, it should be so stated under explanatory, and—

1. The location of the impounding dam should be described in Paragraph 16.
2. The point where the released storage will be rediverted from the natural stream should be described under explanatory in accordance with the note under Paragraph 16.

When the water is to be stored in other than the natural channel of the source from which it is to be appropriated, it should be so stated under explanatory, and—

1. The point of diversion from the supplying source should be described in Paragraph 16.
2. The intersection of the longitudinal axis of impounding dam and centerline of stream channel or drainage and a similar point where the released storage will be rediverted from a natural channel should be described under explanatory in accordance with the note under Paragraph 16.

In all cases Paragraphs 17 to 27, incl., should describe the proposed diverting and carrying works, exclusive of natural channels, even if already constructed in whole or in part.

If it is proposed to collect the water of a number of springs or other sources at a common point, said point should be described as the point of collection in Paragraph 16, and the point of diversion from each source should also be described under explanatory in accordance with the note in Paragraph 16. The quantity of water sought from each source should be indicated under explanatory, the total equaling the quantity specified in Paragraphs 12 or 13. Where the source of supply is in reality a spring area, the point of diversion is the point where the water is collected; in such case the exterior boundary of the spring area must be described under explanatory by metes and bounds and located with reference to the same point as used in describing the point of collection and as outlined by the note under Paragraph 16.

No enlargement of an original water right may be made by a change Application, either as to quantity of water covered, period of use or otherwise.

When there are two or more coapplicants the Application must be accompanied by a power of attorney.

The applicant's permanent address should be given in Paragraph 2, and the State Engineer notified promptly of any change in address; otherwise applicant may lose rights initiated by Application by failing to receive notices sent from the State Engineer's office.

No Application or other paper pertaining to an Application will be marked received unless accompanied with the required filing fee.

Applications accepted and numbered by the State Engineer, when returned to applicant for correction or additions, must be amended with red ink. Erasures must not be made, but any matter may be eliminated by running a red line through it. Corrected Applications must be resubmitted to the State Engineer's office, within sixty days from the date of State Engineer's letter returning Application for correction; otherwise the priority of the right to change will be brought down to date corrected Application is resubmitted.

Applicants will be informed by the State Engineer's office when cost of publishing notice of Application is due, and must advance cost within sixty days after date of notice, otherwise Application will lapse.

## Fees Required by Law Payable to State Engineer

For examining and filing Applications for change of point of diversion, place and nature of use.....	\$2.50
For approving and recording Applications for change of point of diversion, place and nature of use.....	\$2.50
For filing written proof of change.....	\$1.00
For examining maps, profiles and drawings that are part of the proof of change.....	\$5.00
For issuing certificate of change.....	\$1.00

NOTE—In addition to the above fees applicants must pay the cost of publication of "Notice to Water Users" concerning the proposed change.

20. The length of the diverting channel, exclusive of laterals, will be 15,000 feet  
(If an existing channel is used give only the length of that part used under this Application)
21. The top width of the diverting channel will be (if a ditch) XX feet
22. The bottom width of the diverting channel will be (if a ditch) XX feet
23. The depth of water in the diverting channel will be (if a ditch) XX feet
24. The width of diverting channel will be (if a flume) XX feet
25. The depth of water in the diverting channel will be (if a flume) XX feet
26. The diameter of the diverting channel will be (if a pipe) 2.75 inches inches
27. The grade of the diverting channel will be 2.14 feet per thousand
28. The point at which it is proposed to return the water is situated (See note under 16) \_\_\_\_\_

29. The water is to be used.....for the same purposes as specified in the  
original Application No. 32773

..Total.....XX.....acres.

NOTE—If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and extent of proposed use. If for power give number, size and make of wheels, head under which they will operate, total H. P. to be developed and place where power will be used.

30. The character of the soil to be irrigated is.....XX.....; subsoil.....XX.....

NOTE—Number 30 is to be filled in only when proposed change is for irrigation.

31. If paragraph 12 designates that only part of the right described in paragraph 1 to 11 inclusive is to be changed, designate the status of the water so affected by this change as to its being abandoned or used as heretofore.

## EXPLANATORY

NOTE—Paragraph 13 on page 1 must not be used except when storage is contemplated; in such case Paragraph 14 should indicate the time in each year during which the water will be released and used. The lands to be inundated by the reservoir must be described in the space below this note as nearly as may be and by government subdivisions if upon surveyed land, and the area of the reservoir when at full stage should be given in acres; the height of the impounding dam must also be specified.

The following additional facts are set forth in order to define more clearly the full purpose of the proposed change:

The original Application No. 32773 specified \_\_\_\_\_ points of diversion situate in Section 5, T. 41S., R. 24E., San Juan County, Utah, and bears the following notation: "Diversion will be from one or more or all of the above diversion points. Water from the several diversion points will be commingled in conveyance works or in use. The applicant proposes to divert water from the San Juan River partly or wholly by means of infiltration wells, pits or horizontal galleries, dug in the alluvial fill within the stream valley. The exact number, depth, diameter, spacing and yield of such wells, pits or galleries will be determined during the project construction; however, the aggregate withdrawal rate will not exceed that specified." The purpose of this Change Application is to secure approval of additional alternative points of diversion as hereinafter specified without waiver of any rights under the original Application and without increase in the quantity of water applied for or the ultimate objective and purpose of the original Application.

See "Explanatory" continued on attached sheet.

PHILLIPS PETROLEUM COMPANY

Signature of Applicant.

BY Vice-President of Production

EXPLANATORY - contd. from printed form.

The additional alternative points of diversion from the source are in Section 3, T. 41S., R. 24E., San Juan County, Utah, situate at points as follows:

<u>Diversion Point</u>	<u>From West Line</u>	<u>From North Line</u>	<u>Subdivision</u>
1	100'	1780'	SW $\frac{1}{2}$ NW $\frac{1}{2}$
2	365'	1780'	"
3	630'	1770'	"
4	900'	1620'	"
5	1170'	1620'	"
6	1400'	1600'	SE $\frac{1}{2}$ NW $\frac{1}{2}$
7	1530'	1600'	"
8	1900'	1600'	"
9	2150'	1620'	"
10	2400'	1700'	"
11	2640'	1750'	"
12	2900'	1810'	SW $\frac{1}{2}$ NE $\frac{1}{2}$
13	3180'	1900'	"
14	3400'	1950'	"
15	3650'	2050'	"
16	3870'	2225'	"
17	4100'	2450'	SE $\frac{1}{2}$ NE $\frac{1}{2}$
18	4250'	2700'	NE $\frac{1}{2}$ SE $\frac{1}{2}$
19	4380'	2975'	"
20	4420'	3250'	"

Copied for  
C. M. Bole  
4-18-62 EFL:m

**THE STATE OF UTAH**  
OFFICE OF THE STATE ENGINEER  
SALT LAKE CITY

March 26, 1962

RECEIVED  
APR 2 - 1962  
PRODUCTION  
DEPARTMENT

Phillips Petroleum Company  
Bartlesville,  
Oklahoma

Gentlemen:

RE: APPROVED APPLICATION NO. a-4025

Enclosed find Application No. a-4025 which has been approved by me. This approved Application is your authority to proceed with actual construction work which, under Sections 73-3-10 and 73-3-12, Utah Code Annotated 1953, as amended, must be diligently prosecuted to completion. The water shall be put to beneficial use and proof of appropriation filed with the State Engineer, as provided in the original application as amended by this approved change Application.

Failure on your part to comply with the requirements of the statutes may result in forfeiture of your Application.

Yours truly,

*Wayne D. Criddle*

Wayne D. Criddle

ADDRESS ALL COMMUNICATIONS TO:

STATE ENGINEER  
403 STATE CAPITOL  
SALT LAKE CITY, UTAH

js

Encl: Copy of approved application

**CHANGE APPLICATION APPROVED**

(Form for pending original Application)



Copied for  
C. M. Boles  
11-3-61 SS:ml1

THE STATE OF UTAH  
OFFICE OF STATE ENGINEER

SALT LAKE CITY  
October 30, 1961

WAYNE D. CRIDDLE  
STATE ENGINEER

Issue Date: October 30, 1961  
Expiration Date: April 30, 1962

Phillips Petroleum Company  
c/o Senior and Senior, Attorneys  
#10 Exchange Place  
Salt Lake City 11, Utah

Gentlemen:

RE: APPROVED APPLICATION NO. 32773 AND  
CHANGE APPLICATION NO. a-4025

This is to acknowledge receipt of your Permanent Change Application No. a-4025, which proposes to change the point of diversion of 0.0 sec.-ft. of water initiated by Application No. 32773. The water was to have been diverted from ten 12.75-inch O.D. wells located within S $\frac{1}{2}$ N $\frac{1}{2}$ NE $\frac{1}{4}$  and SE $\frac{1}{4}$ NE $\frac{1}{4}$  of Sec. 5, T41S, R24E, SLB&M. It is now proposed to divert the 0.0 sec.-ft. of water from a total of eleven 12.75 inches O.D. between 35 and 50 ft. deep ten of these being the same as heretofore described and thirty-one wells to be located within NW $\frac{1}{4}$  Sec. 3, N $\frac{1}{2}$  Sec. 4, NW $\frac{1}{4}$  Sec. 5, T41S, R24E, SLB&M. The water is to be used for pressure maintenance and secondary recovery purposes as heretofore.

You have requested permission to proceed immediately with the drilling of these additional 31 wells. This letter grants you that privilege with the understanding that all risks as regards water rights are being assumed by you.

If other than new standard casing is to be used in these wells such casing must be inspected and approved by a representative from this office. All wells must be so constructed and finished that they may be readily be pulled at all times, in order to prevent waste of underground water. Wells must be drilled and cased in such a manner that will prevent the infiltration of contaminated water into them.

The driller must be bonded and have a current permit from the State Engineer. Before commencing, he must give this office notice as to the date he will begin drilling. Also, within 30 days after the well has been completed or abandoned, he must file a well driller's report for each well. These reports are to contain accurate and complete information regarding the work done and become part of the files in this office pertaining to the above-mentioned wells.

This is permission for a licensed driller to begin drilling your wells.

Please note that the expiration date of this letter is April 30, 1962.

Yours truly,

*Wayne D. Criddle*  
Wayne D. Criddle  
STATE ENGINEER

RECEIVED

ds

1961

SENIOR

POOR COPY

December 2, 1965

Ratherford Unit, San Juan County, Utah -  
Application No. 32773 - Request for Extension  
of Time to Make Proof of Appropriation

---

Mr. R. M. Williams (2)  
Legal Department

Phillips' Application No. 32773 to the State of Utah for appropriation of water to be used in the Ratherford Unit project was approved on September 5, 1961. One condition of the approval was that a proof of appropriation be submitted by February 28, 1963. Subsequently an extension was granted and the proof of appropriation is now due on February 28, 1966. It is not possible to determine at this time the quantity of water that will ultimately be required and this is to request your assistance in obtaining an additional extension of time before it is necessary to file the proof.

Attached is a copy of Mr. C. M. Boles' letter dated November 23, 1965, which transmits a copy of an unexecuted application for an extension of time for filing the proof from February 28, 1966, to February 28, 1971. Please examine the application as to form and, if it is acceptable, forward it to Mr. J. E. Chrisman, who will arrange for its execution. If it is your opinion that the legal firm of Senior and Senior should file the application, as was done previously, please so advise and the executed application will be returned to you.

Shofner Smith

JEC:gm  
Attach.

cc: Messrs. C. W. Corbett  
Attn. T. L. Osborne  
C. M. Boles ✓

12/8/65  
HSC

fw  
HSC

OPERATOR Phillips Oil Co. DATE 6-24-85  
WELL NAME Rathusford Unit 7-13  
SEC NW SW 7 T 41S R 24E COUNTY San Juan

43-037-31164  
API NUMBER

Indian  
TYPE OF LEASE

CHECK OFF:



PLAT



BOND



NEAREST WELL



LEASE



FIELD



POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

Unit Well - & BLM (New Mexico)  
Water &

APPROVAL LETTER:

SPACING:



A-3

Rathusford  
UNIT



c-3-a

CAUSE NO. & DATE



c-3-b



c-3-c

STIPULATIONS:





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 8, 1985

Phillips Oil Company  
P. O Box 2920  
Casper, Wyoming 82602

Gentlemen:

Re: Well No. Ratherford Unit 7-13 - NW SW Sec. 7, T. 41S, R. 24E  
2110' FSL, 740' FWL - San Juan County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

In addition, the following actions are necessary to fully comply with this approval:


1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2  
Phillips Oil Company  
Well No. Ratherford Unit 7-13  
July 8, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31164.

Sincerely,

A handwritten signature in dark ink, appearing to read 'R. J. Firth', is written over a pre-printed name.

R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals  
Bureau of Indian Affairs

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen a well in a hydrocarbon reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐ **OCT 10 1985**
2. NAME OF OPERATOR  
Phillips Petroleum Company
3. ADDRESS OF OPERATOR  
8055 E. Tufts Ave. Pkwy., Denver, CO 80237
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2110' FSL, 740' FWL (NW/SW)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:      SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other)	<input type="checkbox"/>	<input type="checkbox"/>

5. LEASE  
14-20-603-368
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo
7. UNIT AGREEMENT NAME  
SW-I-4192
8. FARM OR LEASE NAME  
Ratherford Unit
9. WELL NO.  
# 7-13
10. FIELD OR WILDCAT NAME  
Greater Aneth
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 7, T41S, R24E
12. COUNTY OR PARISH  
San Juan
13. STATE  
Utah
14. API NO.  
43-037- 31164
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4717' ung. ground

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilled 18" conductor hole to 121' G.L. on 9-15-85. Ran 120' 13-3/8" 54.5# K-55 BUTT casing. Set at 120.1', cemented with 177 cu.ft. (150 sx) Class B cement to surface. Finished job and moved out rat hole driller 9-15-85.

Spudded well 10-3-85 with Four Corners Drilling Rig #9. Drilled 12-1/4" hole to 1584'. Ran 9-5/8" 36# K-55 ST&C casing, set at 1584'. Cemented with 731 cu.ft. (395 sx) Howco Light cement; tailed with 354 cu.ft. (300 sx) Class B cement. Circulated to surface. Job complete 10-5-85.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Walter Butts TITLE Drilling Manager DATE October 8, 1985

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

6-BLM, Farmington, NM  
2-Utah O&GCC, SLIC  
1-Well File (RC)  
1-Casper Office  
1-J. Weichbrodt

1-Chevron USA, Inc.

1-Texaco, Inc.

1-Shell Oil

\*See Instructions on Reverse Side

1-Mobil Oil

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

OCT 21 1985

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐2. NAME OF OPERATOR  
Phillips Petroleum Company (Attn: RMR Dr)3. ADDRESS OF OPERATOR  
8055 E. Tufts Ave. Pkwy, Denver, CO 802374. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2110' FSL, 740' FWL (NW/SW)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

## SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐LEASE  
14-20-603-3686. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo7. UNIT AGREEMENT NAME  
SW-1-41928. FARM OR LEASE NAME  
Ratherford Unit9. WELL NO.  
# 7-1310. FIELD OR WILDCAT NAME  
Greater Aneth11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 7-T41S-R24E12. COUNTY OR PARISH 13. STATE  
San Juan Utah14. API NO.  
43-037-3116415. ELEVATIONS (SHOW DF, KDB, AND WD)  
4717' ung. ground

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilled 8-3/4" hole to 5561'. Ran 5549' 7" 38# SS-95 LT&C casing; set at 5561'. Cemented with 1122 cu.ft (550 sx) Class B Howco Light; tailed with 360 cu.ft. (300 sx) Class B w/18% NaCl. Pressure tested casing to 1500 psi. TOC  $\pm$  2000'. Job complete 10-15-85. Plug back total depth 5539'.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Andrew C. Burt TITLE Drilling Manager DATE October 16, 1985

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

6-BLM, Farmington, NM  
2-Utah O&GCC, SLC  
1-Well File (RC)  
1-Casper Office  
1-J. Weichbrodt1-Chevron USA, Inc.  
1-Texaco, Inc.  
1-Shell Oil Co.

\*See instructions on Reverse Side

1-Mobil Oil Corp.

NAME	ACTION CODE(S)	INTL
NORM		7
TAMI	3A	7
VICKY		UC
CLAUDIA		G
STEPHANE	1 + 5	56
CHARLES		EN
RULA	2 + (LOG CONTABD)	EM
MARY ALICE		MAP
CONNIE		SA
MILLIE		MS
PAM	FILE + RELOCATE	PL

Required Action Code

1. Data Entry
2. Filming
3. Posting
  - a. Card Index
  - b. File Label
  - c. Lists
4. Bonding Verification
5. Other (See Norm)

CHECK AND AGAINST COMPL ZONE,  
TYPE OF WELL, ETC.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Budget Bureau No. 1004-0137  
Expires August 31, 1985

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____										
2. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. REPAIR <input type="checkbox"/>	Other _____								
2. NAME OF OPERATOR						3. ADDRESS OF OPERATOR									
Phillips Petroleum Company						P. O. Box 2920, Casper, Wyoming 82602									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*															
At surface 2110' FSL & 740' FWL, NW SW															
At top prod. interval reported below															
At total depth															
14. PERMIT NO.				DATE ISSUED											
--				17-8-85											
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DP, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD							
10/3/85		10/13/85		1/10/86		GR 4710', RKB 4722'		--							
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		24. ROTARY TOOLS							
5561'		5549'		--		--		0 - 5561'							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*								25. WAS DIRECTIONAL SURVEY MADE							
5479' - 5545' Desert Creek Zone I								No							
26. TYPE ELECTRIC AND OTHER LOGS RUN								27. WAS WELL CORED							
FDC-CNL-GR, DLL-MSFL, ML, micro								No							
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
13-3/8"		54.5#		120'		17-1/2"		177 cu.ft. Class B		--					
9-5/8"		36#		1584'		12-1/4"		731 cu.ft. Howco Lite & 354 cu.ft. Class B		354 cu.ft. Class B					
7"		38#		5561'		8-3/4"		1122cu.ft. Howco Lite & 360 cu.ft. Class B		360 cu.ft. Class B					
29. LINER RECORD								30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
--		--		--		--		--		2-7/8"		5410'		--	
31. PERFORATION RECORD (Interval, size and number)								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
5538-5545, 2 SPF, 4" HSC Gun, 14 shots								DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
5530-5534, 2 SPF, 4" HSC Gun, 8 shots								5479-5545' -				Treat ea ft of perfs w/50 gal			
5510-5518, 2 SPF, 4" HSC Gun, 16 shots								28% HCL (total				1650 gal). Acidized entire			
5493-5503, 2 SPF, 4" HSC Gun, 20 shots								interval w/3350 gal 28% HCL containing							
5479-5483, 2 SPF, 4" HSC Gun, 8 shots								7 gal/1000 A-250 corrosion inhibitor,							
33. PRODUCTION (CONTINUED ON BACK)															
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)									
1/10/86		Pumping 1-1/4"				Producing									
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO	
1/29/86		24		--		--		56		25		1		446	
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
50		50		--		56		25		1		40.0			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)								TEST WITNESSED BY							
Sold								--							
35. LIST OF ATTACHMENTS															
None															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED		TITLE				DATE									
D. C. GILL		Area Manager				February 14, 1986									

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. **SUMMARY OF POROUS ZONES:** (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

## GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
ACID TREATMENT CONTINUED -						
7 gal/1000 F-801 fines suspender, 11 gal/1000 W-802 non-emulsifier and 21 gal/1000 U-42 iron agent. Used 95 ball sealers as divertant.				LOG TOPS Shinarump DeChelly Hermosa Ismay Desert Creek Zone I	2332 2630 4505 5323 5475	
Distribution:						
4 - BLM, Farmington, NM						
2 - <del>Utah</del> O&G CC, Salt Lake City, UT						
1 - The Navajo Nation, Window Rock, AZ						
1 - R. Ewing, B'Ville						
1 - L. R. Williamson r) G. W. Berk, Denver						
1 - T. L. Carten r) P. Bertuzzi, Denver						
1 - J. B. Lindemood, Denver						
1 - D. L. Kennedy, Denver						
17 - W. I. Owners						
1 - J. Weichbrodt, Cortez						
1 - File RC						

**Distribution:**

- |   |  |
|---|--|
| 4 - BLM, Farmington, NM                         |  |
| <del>24 - Utah</del> O&G CC, Salt Lake City, UT |  |
| 1 - The Navajo Nation, Window Rock, AZ          |  |
| 1 - R. Ewing, B'Ville                           |  |
| 1 - L. R. Williamson r) G. W. Berk, Denver      |  |
| 1 - T. L. Carten r) P. Bertuzzi, Denver         |  |
| 1 - J. B. Lindemood, Denver                     |  |
| 1 - D. L. Kennedy, Denver                       |  |
| 17 - W. I. Owners                               |  |
| 1 - J. Weichbrodt, Cortez                       |  |
| 1 - File RC                                     |  |

# Mobil Oil Corporation

P.O. BOX 5444  
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth  
Associate Director

RECEIVED  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



R. D. Baker  
Environmental Regulatory Manager

CNE/rd  
CNE8661



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

Page 1 of 10

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

P J KONKEL  
PHILLIPS PETROLEUM COMPANY  
5525 HWY 64 NBU 3004  
FARMINGTON NM 87401

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MININGAMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23								
4303713754	06280	41S 24E 21	DSCR	POW	29	1374	883	58
#3-44								
4303715031	06280	41S 24E 3	DSCR	POW	30	111	94	2905
#3-14								
4303715124	06280	41S 24E 3	DSCR	POW	30	67	23	302
#9-12								
4303715126	06280	41S 24E 9	DSCR	POW	30	112	654	17363
#9-14								
4303715127	06280	41S 24E 9	DSCR	POW	30	201	315	423
#28-12								
4303715336	06280	41S 24E 28	PRDX	POW	29	112	47	2428
#29-12								
4303715337	06280	41S 24E 29	PRDX	POW	29	56	0	672
#29-32								
4303715339	06280	41S 24E 29	DSCR	POW	29	1402	287	2224
#29-34								
4303715340	06280	41S 24E 29	DSCR	POW	29	757	48	0
#30-32								
4303715342	06280	41S 24E 30	DSCR	POW	29	588	1049	3744
#3-12								
4303715620	06280	41S 24E 3	DSCR	POW	30	268	11	363
#9-34								
4303715711	06280	41S 24E 9	DSCR	POW	30	45	46	9800
#10-12								
4303715712	06280	41S 24E 10	DSCR	POW	30	45	23	1088
TOTALS						5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the  
 Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box  
 633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

Name and Signature: PAT KONKEL

*Pat Konkell*

Telephone Number: 505 599-3452

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

3. LEASE DESIGNATION &amp; SERIAL NO.

### SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO TRIBAL

7. UNIT AGREEMENT NAME

RATHERFORD UNIT

8. FARM OR LEASE NAME

9. WELL NO.

1. OIL WELL ☐ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

MOBIL OIL CORPORATION

3. ADDRESS OF OPERATOR

P. O. BOX 633 MIDLAND, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)

At surface

At proposed prod. zone

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

14. API NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

12. COUNTY

SAN JUAN

13. STATE

UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON

REPAIR WELL

CHANGE PLANS

(Other)

APPROX. DATE WORK WILL START

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐  
☐

REPAIRING WELL

☐  
☐  
☐  
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other) CHANGE OF OPERATOR

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.  
ATTACHED ARE THE INDIVIDUAL WELLS.

8. I hereby certify that the foregoing is true and correct

SIGNED

*Shirley Todd*

TITLE

ENV. &amp; REG TECHNICIAN

DATE

9-8-93

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

WELL #	API#	LEASE #	SEC., T, R	LOCATION OF WELL
✓01W-13	43-037-15838	14-20-603-246A	SEC. 1, T41S, R23E	NW/SW 1980 FSL; 660 FWL
✓01-14	43-037-31162	14-20-603-246A	SEC. 1, T41S, R23E	SW/SW 660 FSL; 660 FWL
✓01W-24	43-037-15839	14-20-603-246	SEC. 1, T41S, R23E	SE/SW 651 FSL; 3300 FEL
✓01-34	43-037-16385	14-20-603-246A	SEC. 1, T41S, R23E	SW/SE 4147 FNL; 1980 FEL
✓01W-44	43-037-15840	14-20-603-246A	SEC. 1, T41S, R23E	660 FSL; 661 FEL
✓02W-44	43-037-16386	14-20-603-246A	SEC. 2, T41S, R23E	SE/SE 810 FNL; 5110' FWL
✓03-14	43-037-15124	14-20-603-5445	SEC. 3, T41S, R24E	660 FSL; 660 FEL
✓03-12	43-037-15620	14-20-603-6506	SEC. 3, T41S, R24E	SW/NW 2140 FNL; 660 FWL
✓03W-42	43-037-16388	14-20-603-6505	SEC. 3, T41S, R24E	SW/NE 1980 FNL; 660 FEL
✓03-44	43-037-15031	14-20-603-6504	SEC. 3, T41S, R24E	520 FSL; 820 FEL
✓04-14	43-037-16163	14-20-603-5446	SEC. 4, T41S, R24E	500 FSL; 600 FEL
✓04-34	43-037-16164	14-20-603-4035	SEC. 4, T41S, R24E	660 FSL; 1980 FEL
✓05-34	43-037-15983	14-20-603-368	SEC. 5, T41S, R24E	SW/SE 612 FSL; 1990 FEL
✓05W-43	43-037-16392	14-20-603-368	SEC. 5, T41S, R24E	1400 FSL; 990 FEL
✓06W-14	43-037-15984	14-20-603-368	SEC. 6, T41S, R24E	SW/SW 660; FSL; 660 FWL
✓06W-23	43-037-16393	14-20-603-368	SEC. 6, T41S, R24E	1830 FSL; 1895 FWL
✓07-11	43-037-31163	14-20-603-368	SEC. 7, T41S, R24E	NW/NW 660 FNL; 710 FWL
✓07W-12	43-037-15985	14-20-603-368	SEC. 7, T41S, R24E	SW/NW 2140 FNL; 585 FWL
✓07-13	43-037-31164	14-20-603-368	SEC. 7, T41S, R24E	NW/SW 2110 FSL; 740 FWL
✓07W-14	43-037-15986	14-20-603-368	SEC. 7, T41S, R24E	SW/SW 1065 FSL; 660 FWL
✓07W-21	43-037-16394	14-20-603-368	SEC. 7, T41S, R24E	710 FNL; 1820 FWL
✓07-22	43-037-31165	14-20-603-368	SEC. 7, T41S, R24E	SE/NW 1980 FNL; 1980 FWL
✓07W-23	43-037-15987	14-20-603-368	SEC. 7, T41S, R24E	NE/SW 1980 FSL 1980 FWL
✓07-24	43-037-31166	14-20-603-368	SEC. 7, T41S, R24E	SE/SW 880 FSL; 2414 FWL
✓07W-32	43-037-15988	14-20-603-368	SEC. 7, T41S, R23E	SW/NE 1980 FNL; 1980 FEL
✓07-33	43-037-31167	14-20-603-368	SEC. 7, T41S, R24E	NW/SE 2105 FSL; 1876 FEL
✓07W-34	43-037-15989	14-20-603-368	SEC. 7, T41S, R24E	710 FSL; 2003 FEL
✓07W-41	43-037-15990	14-20-603-368	SEC. 7, T41S, R24E	NE/NE 585 FNL; 770 FEL
✓07W-43	43-037-16395	14-20-603-368	SEC. 7, T41S, R24E	2110 FSL; 660 FEL
✓07-44	43-037-31189	14-20-603-368	SEC. 7, T41S, R24E	SE/SE 737 FSL; 555 FEL
✓08-12	43-037-15991	14-20-603-368	SEC. 8, T41S, R24E	SW/NW 1909 FNL; 520 FWL
✓08W-14	43-037-15992	14-20-603-368	SEC. 8, T41S, R24E	745 FSL; 575 FWL
✓08-21	43-037-15993	14-20-603-368	SEC. 8, T41S, R24E	616 FNL; 1911 FWL
✓08-23	43-037-15994	14-20-603-368	SEC. 8, T41S, R24E	NE/NW 1920 FSL; 2055 FWL
✓08-32	43-037-15995	14-20-603-368	SEC. 8, T41S, R24E	SW/NE 1980 FNL; 1980 FEL
✓08-34	43-037-15996	14-20-603-368	SEC. 8, T41S, R24E	SW/SE 660 FSL; 1980 FEL
✓08-41	43-037-15997	14-20-603-368	SEC. 8, T41S, R24E	NE/NE 660 FNL; 660 FEL
✓08W-43	43-037-16396	14-20-603-368	SEC. 8, T41S, R24E	1980 FSL; 660 FEL
✓09W-23	43-037-16398	14-20-603-5046	SEC. 9, T41S, R24E	NW/SE 1980 FSL; 1980 FWL
✓09-12	43-037-15126	14-20-603-5045	SEC. 9, T41S, R24E	1865 FNL; 780 FWL
✓09W-21	43-037-16397	14-20-603-5045	SEC. 9, T41S, R24E	660 FNL; 2080 FWL
✓09-14A	43-037-15127	14-20-603-5046	SEC. 9, T41S, R24E	710 FSL; 660 FWL
✓09-32	43-037-16165	14-20-603-4035	SEC. 9, T41S, R24E	1980 FNL; 1980 FEL
✓09W-41	43-037-16399	14-20-603-4035	SEC. 9, T41S, R24E	660 FNL; 660 FEL
✓09W-43	43-037-16400	14-20-603-4043	SEC. 9, T41S, R24E	1980 FSL; 660 FEL
✓10W-23	43-037-16402	14-20-603-4043	SEC. 10, T41S, R24E	1980 FSL; 1980 FWL
✓10-14	43-037-15713	14-20-603-4043	SEC. 10, T41S, R24E	510 FSL; 710 FWL
✓10-12	43-037-15712	14-20-603-4043	SEC. 10, T41S, R24E	660 FWL; 1980 FNL
✓10W-21	43-037-16401	14-20-603-4043	SEC. 10, T41S, R24E	810 FNL; 1980 FWL
✓10-34	43-037-16166	14-20-603-4037	SEC. 10, T41S, R24E	620 FSL; 1860 FEL
✓10W-43	43-037-16403	14-20-603-4037	SEC. 10, T41S, R24E	1980 FSL; 550 FEL
✓11-41	43-037-31544	14-20-603-246A	SEC. 11, T41S, R23E	NE/NE 860 FNL; 350 FEL
✓11-42W	43-037-15841	14-20-603-246	SEC. 11, T41S, R23E	3290 FNL; 4617 FEL
✓11-43	43-037-31622	14-20-603-246A	SEC. 11, T41S, R23E	1980 FSL; 660 FEL
✓11W-44	43-037-15842	14-20-603-246A	SEC. 11, T41S, R23E	SE/SE 660 FSL; 558 FEL
✓12W-11	43-037-15843	14-20-603-246A	SEC. 12, T41S, R23E	NW/NW 678 FNL; 4620 FEL
✓12-12	43-037-31190	14-20-603-246A	SEC. 12, T41S, R23E	SW/NW 1850 FNL; 660 FWL
✓12W-13	43-037-16404	14-20-603-246A	SEC. 12, T41S, R23E	1980 FSL; 4620 FEL
✓12-14	43-037-15844	NA	SEC. 12, T41S, R23E	660 FNL; 4622 FWL
✓12-21	43-037-31201	14-20-603-246A	SEC. 12, T41S, R23E	NE/NW 660 FNL; 1980 FWL
✓12W-22	43-037-15845	14-20-603-246	SEC. 12, T41S, R23E	NA
✓12-23	43-037-15846	14-20-603-246A	SEC. 12, T41S, R23E	1958 FNL; 3300 FWL
✓12W-24	43-037-31151	14-20-603-246A	SEC. 12, T41S, R23E	775 FSL; 1980
✓12-32	43-037-31203	14-20-603-246A	SEC. 12, T41S, R23E	SW/NE 1820 FNL; 1820 FEL
✓12W-33	43-037-15848	14-20-603-246A	SEC. 12, T41S, R23E	NW/SE 1957 FSL; 1981 FEL
✓12-34	43-037-31126	14-20-603-246A	SEC. 12, T41S, R23E	SW/SE 675 FSL; 1905 FEL
✓12-41	43-037-15849	14-20-603-246A	SEC. 12, T41S, R23E	656 FNL; 660 FEL
✓12W-42	43-037-15850	14-20-603-246A	SEC. 12, T41S, R23E	3275 FSL; 662 FEL

PAID  
REGISTERED

SEP 15 1993

DIVISION OF  
OIL, GAS & MINING

PAID

PAID  
PAID

14-20-603-246

SE/NE 1920 FNL 2080 FWL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MININGPage 1 of 1

## MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*L B Sheffield*~~BRIAN BERRY~~~~M E P N A MOBIL~~~~POB 219031 1807A RENTWY~~ *P.O. DRAWER 6*~~DALLAS TX 75221-9031~~ *CORTEZ, Co. 81321*UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 7 / 93AMENDED REPORT ☐ (Highlight Changes)*X931006 updated  
for*

ENTITY NUMBER	PRODUCT	GRAVITY	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			<i>177609</i>	<i>177609</i>	<i>0</i>			
	GAS			<i>72101</i>	<i>66216</i>	<i>5885</i>			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				<i>249710</i>	<i>243825</i>	<i>5885</i>			

COMMENTS:

*PLEASE NOTE ADDRESS change. MOBIL ASSOC PRODUCTION REPORTS  
will be compiled and sent from the Cortez, Co. office  
IN THE FUTURE.*

I hereby certify that this report is true and complete to the best of my knowledge.

Name and Signature:

*Lwell B Sheffield*

Date:

*9/5/93*

Telephone Number

*303.565.2212  
244.658.2528*

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

FROM: Janice Casley  
BLM Farmington, NM  
505 599-6355

Here is copy of Rutherford Unit  
Successor Operator.

4 pages including this one.

*File Ratherford Unit (GC)*RECEIVED  
BLM

JUL 27 AM 11:44

070 FARMINGTON, NM

Navajo Area Office  
P. O. Box 1060  
Gallup, New Mexico 87305-1060

ARES/543

JUL 26 1993

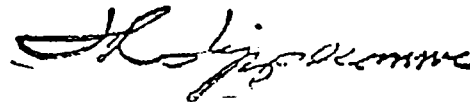
Mr. G. D. Cox  
Mobil Exploration and  
Producing North America, Inc.  
P. O. Box 633  
Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,



ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.  
TNN, Director, Minerals Department w/enc.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

RECEIVED  
BLM

DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona  
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702  
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]  
Attorney-in-Fact

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

By: B. D. Martiny  
Attorney-in-Fact B.D. MARTINY

[Signature] ACTING AREA DIRECTOR  
APPROVED BY TITLE DATE  
7/9/93

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

## EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

## EXHIBIT "C"

Revised as of September 29, 1992  
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M. San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

100% Indian Lands

TOTAL 12,909.74

100.0000000



Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File \_\_\_\_\_

☐ Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

☒ Other  
OPERATOR CHANGE  
\_\_\_\_\_  
\_\_\_\_\_

(Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_  
(API No.) \_\_\_\_\_

1. Date of Phone Call: 10-6-93 : Time: 9:30

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☒  
Talked to:

Name GLEN COX (Initiated Call ☐ - Phone No. (915 )688-2114

of (Company/Organization) MOBIL

3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".  
(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL  
OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: \_\_\_\_\_

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS  
PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW  
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.

MEPNA--

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

\*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY  
REPORTED OUT OF DALLAS (MCELMO CREEK).

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-VLC/7-93
2-DTS/8-93
3-VLC
4-RJE
5-DEC
6-PL

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator) M E P N A  
 (address) PO DRAWER G  
CORTEZ, CO 81321  
GLEN COX (915)688-2114  
 phone (303)565-2212  
 account no. N7370

FROM (former operator) PHILLIPS PETROLEUM COMPANY  
 (address) 5525 HWY 64 NBU 3004  
FARMINGTON, NM 87401  
PAT KONKEL  
 phone (505)599-3452  
 account no. N0772(A)

Well(s) (attach additional page if needed):

**\*RATHERFORD UNIT (NAVAJO)**

Name: <b>**SEE ATTACHED**</b>	API: <u>43037-31164</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- See 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- See 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date                      19  . If yes, division response was made by letter dated                      19  .

## LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

## FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: 11-17 1993.

## FILING

- Yes 1. Copies of all attachments to this form have been filed in each well file.
- Yes 2. The original of this form and the original attachments have been filed in the Operator Change file.

## COMMENTS

931006 BIA/Bhm Approved 7-9-93.

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 20 of 22

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O MOBIL OIL CORP  
 M E P N A  
 PO DRAWER G  
 CORTEZ CO 81321

UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 6 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
RATHERFORD UNIT #13-43								
4303731131	06280 41S 23E 13		DSCR					
RATHERFORD UNIT #24-41								
4303731132	06280 41S 23E 24		DSCR					
RATHERFORD UNIT 17-13								
4303731133	06280 41S 24E 17		DSCR					
RATHERFORD UNIT #17-33								
4303731134	06280 41S 24E 17		DSCR					
RATHERFORD UNIT #18-33								
4303731135	06280 41S 24E 18		DSCR					
RATHERFORD UNIT #1-14								
4303731162	06280 41S 23E 1		DSCR					
RATHERFORD UNIT #7-11								
4303731163	06280 41S 24E 7		DSCR					
RATHERFORD UNIT #7-13								
4303731164	06280 41S 24E 7		DSCR					
RATHERFORD UNIT #7-22								
4303731165	06280 41S 24E 7		DSCR					
RATHERFORD UNIT #7-24								
4303731166	06280 41S 24E 7		DSCR					
RATHERFORD UNIT 7-33								
4303731167	06280 41S 24E 7		IS-DC					
RATHERFORD UNIT #16-13								
4303731168	06280 41S 24E 16		DSCR					
RATHERFORD UNIT #17-11								
4303731169	06280 41S 24E 17		DSCR					
<b>TOTALS</b>								

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I, \_\_\_\_\_, certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

# PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** \_\_\_\_\_  
 (Location) Sec \_\_\_\_ Twp \_\_\_\_ Rng \_\_\_\_  
 (API No.) \_\_\_\_\_

☐ **Suspense**  
 (Return Date) \_\_\_\_\_  
 (To - Initials) \_\_\_\_\_

☒ **Other**  
**OPER NM CHG** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

1. Date of Phone Call: 8-3-95 Time: \_\_\_\_\_

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)  
 Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. (      )  
 of (Company/Organization) \_\_\_\_\_

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: \_\_\_\_\_

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING  
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT  
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.

\*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:	
1-LEC	7-PL
2-LWP	8-SJ
3-DEK	9-FILE
4-VLC	
5-RJF	
6-LWP	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) **MOBIL EXPLOR & PROD**  
 (address) **C/O MOBIL OIL CORP**  
**PO DRAWER G**  
**CORTEZ CO 81321**  
 phone (303 ) **564-5212**  
 account no. **N7370**

FROM (former operator) **M E P N A**  
 (address) **C/O MOBIL OIL CORP**  
**PO DRAWER G**  
**CORTEZ CO 81321**  
 phone (303 ) **564-5212**  
 account no. **N7370**

Well(s) (attach additional page if needed):

Name: <b>** SEE ATTACHED **</b>	API: <u>037-31164</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Le 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- LEC 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- LEC 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Lee* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only) *\* No Fee Lease Wells at this time!*

- N/A* *Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files.
- \_\_\_ 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_. Today's date \_\_\_\_\_ 19\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_.

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* *UTS* *8/5/95* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

### FILMING

- ✓* 1. All attachments to this form have been microfilmed. Date: October 6 19 95.

### FILING

- \_\_\_ 1. Copies of all attachments to this form have been filed in each well file.
- \_\_\_ 2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

*950803 UIC F5/Not necessary!*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

14-20-603-368

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.  
RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 7-13

9. API Well No.

43-037-31164

10. Field and Pool, or Exploratory Area  
GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MOBIL PRODUCING TX & NM INC.\*  
\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3a. Address

P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)

(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 7, T41S, R24E  
2110' FSL & 740' FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

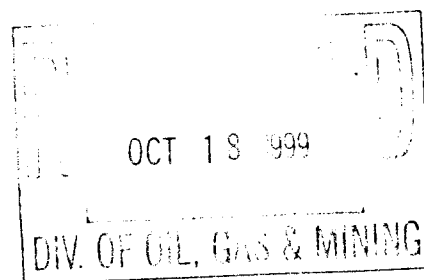
TYPE OF ACTION

- |   |  |  |   |
|---|--|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen                    | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing         | <input checked="" type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction          | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other _____    |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon          | <input type="checkbox"/> Temporarily Abandon       |   |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back                 | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

SEE ATTACHED ACID FRAC PROCEDURE (09-07-99 --09-29-99).

FORM 15 ATTACHED FOR STATE OF UTAH.



14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

SHIRLEY HOUCHINS

Title

ENV & REG TECH

Date

10-14-99

WTC  
11-18-99  
RSM

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



**ATTACHMENT - FORM 3160-5**  
**RATHERFORD UNIT - WELL #7-13**  
**14-20-603-246A**  
**NAVAJO TRIBAL**  
**SAN JUAN, UTAH**

09-07-99	MIRU MONETZUMA #15. TEST TBG. TO 750 PSI. OK. RU PUMP, PIT, AND FLOW LINES. RU AND KILL TBG. POH W/ RODS, LD PUMP. KILL CSG. ANN. NU BOPE. SIFN.
09-08-99	SITP AT 10:30 WAS 100 PSI. SICP AT 10:30 WAS 100 PSI. RU KILL WELL. POH W/ 2.875" TBG. INSPECT TBG. OK. RIH W/ 2.875" PH-6 TBG. KILL STRING TO 1860'. SIFN.
09-09-99	SIT/CP AT 07:30 WAS 80 PSI. KILL WELL. POH W/ 2.875" PH-6 KILL STRING. MAKE-UP 5.75" BIT. PICK-UP AND RIH W/ 2.875" PH-6 TBG. TO 5544.87'. TAG UP ON PBTD. RU TO PUMP. COULD NOT CIRC. POH W/ 2.875" PH-6 TBG. TO 2860'. SIFN.
09-10-99	SIP AT 07:30 WAS 0 PSI. BASIN WIRELINE RAN GAMMA RAY AND CSG. COLLAR LOG FROM 5544' (PBTD) TO 5000'. POH. RDMO BASIN. MAKE-UP GUIBERSON G-VI PKR. RIH ON 2.875" PH-6 TBG. TO 5544'. TAG UP ON PBTD. POH TO 5485' SET PKR. (TOP OF PKR AT 5485') MIX AND PUMP 4 SX OF 100# BAGS OF SAND DN TBG. RU TO CSG. LOAD CSG. ANN. SURFACE W/ FRESH WTR. OK. SIFN.
09-11-99	WAIT ON DOWELL ACID UNIT.
09-14-99	SIC/TP 0#. ATTEMPT TO ESTAB. INJ. RATE & COMMUNICATED TO ANN. ABOVE PKR. - UNABLE TO RELEASE PKR IN ORDER TO RESET ABOVE PERFS-WO WL-RUN FP-UNABLE TO PASS 1815' W/ CHEMICAL CUTTER-RUN STRINGSHOT & BACKOFF TBG.
09-15-99	POH W/ BACKED OFF TBG. RIH W/ 5 1/2" OD ID ROUGH BOTTOM SHOE, WP, TS, XO, JARS, DC'S TO 5420'. RU SWIVEL & ESTAB. REVERSE CIRC. WASH OVER TO PKR @ 5485'. CIRC CLEAN (RECOVERED <10G FRAC SAND). POH LD W/ WP.
09-16-99	SIC/TP 0# - POH LD W/ FISHING TOOLS, & PKR RIH W/ OET (EOT @ 5442' SLM). RU BASING WIRELINE-RUN GR CORRELATION LOG & TIE IN W/ SCHLUMBERGER DLL 14OCT85-LOG SHOW PBTD @ 5535'. SPOT 2SX SAND. SI SDFN.
09-17-99	SIC/TP 0#. RIH W/ GUIBERSON 7" UNV-VI PKR-SET PKR @ 5471'. RESET PKR @ 5461'. RESET @ 5465'. DETERMINE COMMUNICATION BEHIND CASING BETWEEN OLD SQZ HOLES & DESERT CREEK 1A PERFS. SDFN.
09-18-99	SIC/TP 0#-DROP 3 SX DN TBG. RELEASE & POH LD W/ PKR-RIH W/ OET TO 5441'. DROP 4 1/2 SX SD-DISPLACE W/ 15 BBLS FW (CALCULATE TOP OF SAND @ 5485'). SDFN & SUN.
09-20-99	SIC/TP 0#-RIH & TAG SAND PLUG @ 5495'-DUMP 2 1/4 SX SAND IN 2 BLW & DISPLACE W/ 20 BLW (CALC TOS @ 5485'). WO/MIRU DOWELL CEMENT EQUIPMENT. TAG TOS @ 5487'-DOWELL BALANCE 25 SX CLASS B MIXED @ 15.6 PPG YIELDING 1.19 FT 3/SX-POH W/ 10 STDS PLACING CALCULATED TOC @ 5356'-REVERSE CIRC. CLEAN. HESITATE SQA. TIGHTEN WELLHEAD & REPRESSURE SQZ TO 300# SECURED WELL RD DOWELL/SCHL. WOC.
09-21-99	SIT/CP 0#, POOH W/ TBG. PU RIH W/ BIT ON 2.875" PH-6 WS TBG TAG @ 5446.07'. DRLG SOFT TO MID HARD CMT FROM 5446-5493' WASHED SAND TO 5518'. CIRC WELL BORE CLEAN. POH W/ TBG LD DC'S. RIH W/ OE PH-6 TBG TAG SAND @ 5515.41'. SWISDFN.

**ATTACHMENT - FORM 3160-5**  
**RATHERFORD UNIT - WELL #7-13**  
**14-20-603-246A**  
**NAVAJO TRIBAL**  
**SAN JUAN, UTAH**  
**PAGE 2 OF 2**

09-22-99 SERV. UNIT SIT/CSG P 0#. RIH W/ GUIB. HDCH PKR. TAG SAND @ 5518' PU TO 5456'. RI TO 5488' SET PKR LOAD & TEST BACKSIDE TBG 7" CSG TO 1000# BLED OFF TO 850# IN 5 MIN, MOVE PKR TO 5471' SET TEST 7" CSG COMMUNICATED TO TBG BETWEEN SQZ HOLES & 1A PERF 5493-83', MOVED PKR 5440' TEST TO 1050# 10 MINS STILL 1050#, 5472', SAME COMMUNICATIONS, MOVED TO 5488' SET PSI BACKSIDE TO 1000#, EST INJ. RATE DN TBG @ .6 BPM 2800# INTO PERFS 5493-5503', 5510-18' BACKSIDE DROP TO 850# & IN 1 ½ HRS DN TO 610#. REL PSI & PKR POOH W/ LEFT 40 JTS IN FLOR KILL STRING, SWISDFN.

09-23-99 SERV. UNIT SITP/CP 0#, FINISHED POOH W/ TBG PKR. MIRU BASIN WELL LOGGING, RIH W/ DUAL-FIRE CSG GUN, 5516.6' TAG SAND 1.4' HIGHER. PERF 7" CSG IN D.C. ZONE 1C @ 5508.6-16.6 & 1B @ 5493-5503' ALL 2-JSPF RDMO. PU RIH GUIB. HDCH PKR ON 2.875" PH-6 WS TBG. TO 5440'. SET PKR TEST BACKSIDE TBG 7" CSG TO 1500# LEAKED, MOVED PKR TO 5487' SET PSI BACKSIDE TO 1000#, EST. INJ. RATE DN TBG INTO 1B & 1C ZONE @ .6-.3 BPM @ 2800# SWISDFN.

09-24-99 SERV. UNIT SIT/CSG PSI @ 0#, MIRU DOWELL/SCHLUM. ACIDIZE DC 1B-5493-5503 +1C-5510-18 W/ 12 BBLS 15% HCL ACID. COMMUNICATED TO ANNULUS, SD, BLED OFF, REL PKR PULLED UP TO 5440 REV ACID INTO TBG SET PKR @ 5440' PSI ANNULUS TO 900#, CONT W/ JOB, PUMP 1000 GALS 15% ACID + 7500 GALS 20% SXE + 2000 GEL 2% GEL KCL WRT + 1000 15% HCL + 27 BBLS 2% GEL KCL WTR TO PERF. TTP. SWI RD TREATING EQUIP. RDMO DOWELL, RU LINES TO FLOW BACK. SWISDFN.

09-25-99 TP 875# CSG 175# OPEN WELL ON 32/64" CHOCK FLOWED 20 BBLS WTR, TP DROP WELL STARTED KICKING CONT. FLOWED 12 HRS RECOV 400 BNO + 140 BBLS LOAD WTR LAST HR FLOWED 40 BBLS FFTP 125# SO 75% OIL 25% WTR W/ GOOD SHOW GAS SITP 175#. SWISDFN & SUNDAY.

09-27-99 SITP AT 7:30 WAS 450 PSI. OPEN ON 32/64" CHOKE TO TEST TANK. RU, KILL TBG. RELEASE PKR, POH, LD PKR. RIH W/ 5.75" PH-6 TBG. TO 5531'. WASH DOWN TO 5445'. LOST CIRC. TAG 8' OF FILL. POH TO 2733'. SIFN.

09-28-99 SIP AT 7:30 WAS 50 PSI. RU TO PUMP AND KILL WELL. WELL DEAD. MAKE-UP 2.875" TBG. BAILER. RIH TO 5529'. TAG TOP OF SAND FILL. BAIL OUT SAND FILL FROM 5529-5545'. POH TO 5300'. RIH TO 5545', NO FILL. POH, LD TBG. BAILER. RIH W/ 2.875" TBG. TO 5450.14'. ND BOPE, SET 7" TBG. ANCHOR AT 5222.88' W/ 22,000# TENSION. NU PROD. WELL HEAD. SIFN.

09-29-99 SIP AT 07:30 WAS 0 PSI. MAKE-UP TRICO 2.50" X 2" X 24' RHBC. MAKE-UP PROD WELL HEAD. RU PUMP JACK HEAD. TEST PUMP AND TBG TO 450 PSI. OK RDMO MOTEZUMA WELL SERVICE RIG #15. FINAL WORKOVER REPORT. TURN WELL OVER TO PROD. CLEAN LOCATION.

**ExxonMobil Production Company**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

June 27, 2001

**ExxonMobil**  
*Production*

Mr. Jim Thompson  
State of Utah, Division of Oil, Gas and Mining  
1549 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

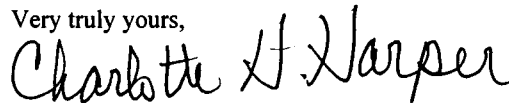
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

RECEIVED

OIL & GAS DIVISION



IN REPLY REFER TO:

## United States Department of the Interior

BUREAU OF INDIAN AFFAIRS  
XXXXXXXXXXXXXXX  
Navajo Area Office  
NAVAJO REGIONP.O. Box 1060  
Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

Charlotte H. Harper, Permitting Supervisor  
Exxon Mobil Production Company  
U. S. West  
P. O. Box 4358  
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DENNETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓  
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	DB/MC
NATV AMIN COORD	
SOLID MIN TEAM	
PETRO MENT TEAM 2	
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

**ExxonMobil Production Company**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

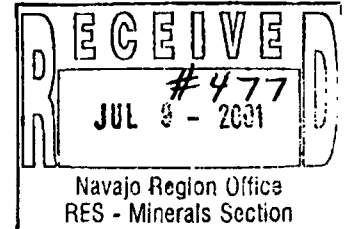
*PS 7/12/2001*  
*SN*  
*543*  
*File*

June 27, 2001

**ExxonMobil**  
**Production**

Certified Mail  
Return Receipt Requested

Ms. Genni Denetsone  
United States Department of the Interior  
Bureau of Indian Affairs, Navajo Region  
Real Estate Services  
P. O. Box 1060  
Gallup, New Mexico 87305-1060  
Mail Code 543



Change of Name -  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-. Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

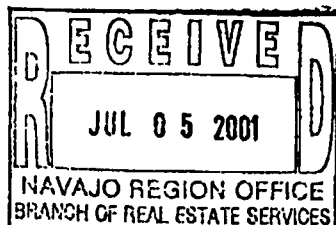
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

*NOTE: Check forwarded to Ella Isaac*

Bureau of Indian Affairs  
Navajo Region Office  
Attn: RRES - Mineral and Mining Section  
P.O. Box 1060  
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

#### OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

#### DIRECTORS

Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>


Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800, whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



  
Signature  
AGENT AND ATTORNEY IN FACT  
Title

SAL

**CERTIFICATION**

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

**CHANGE OF COMPANY NAME**

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

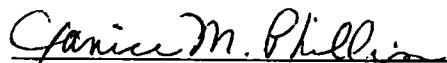
FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

  
Assistant Secretary

COUNTY OF DALLAS )  
STATE OF TEXAS )  
UNITED STATES OF AMERICA )

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

  
Notary Public



**LISTING OF LEASES OF MOBIL OIL CORPORATION****Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01



**CHUBB GROUP OF INSURANCE COMPANIES**

One Chubb Place, Suite 1900, Houston, Texas 77027-3301  
Telephone: (713) 237-4600 • Facsimile: (713) 237-4750

*NW Bond*

**FEDERAL INSURANCE COMPANY RIDER**  
to be attached to and form a part of

**BOND NO 8027 31 97**

wherein

**Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is**  
named as Principal and

**FEDERAL INSURANCE COMPANY AS SURETY,**

**in favor of United States of America, Department of the Interior**  
**Bureau of Indian Affairs**

**in the amount of \$150,000.00**  
**bond date: 11/01/65**

**IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001**  
**the name of the Principal is changed**

**FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.**

**TO : ExxonMobil Oil Corporation**

**All other terms and conditions of this Bond are unchanged.**

**Signed, sealed and dated this 12<sup>th</sup> of June, 2001.**

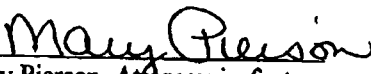
**ExxonMobil Oil Corporation**

By :



**FEDERAL INSURANCE COMPANY**

By:

  
**Mary Pierson, Attorney-in-fact**

**Chubb  
Surety****POWER  
OF  
ATTORNEY****Federal Insurance Company  
Vigilant Insurance Company  
Pacific Indemnity Company****Attn.: Surety Department  
15 Mountain View Road  
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo**,  
**Mary Pierson**, **Philana Berros**, and **Jody E. Specht** of **Houston, Texas**-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this **10th** day of **May**, 2001.

  
 Kenneth C. Wendel, Assistant Secretary

  
 Frank E. Robertson, Vice President


STATE OF NEW JERSEY } ss.  
 County of Somerset

On this **10th** day of **May**, 2001, before me, a Notary Public of New Jersey, personally came **Kenneth C. Wendel**, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said **Kenneth C. Wendel** being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with **Frank E. Robertson**, and knows him to be Vice President of said Companies; and that the signature of **Frank E. Robertson**, subscribed to said Power of Attorney is in the genuine handwriting of **Frank E. Robertson**; and that he has thereto subscribed by authority of said **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** in the presence of said **Kenneth C. Wendel**.



Notary Public State of New Jersey  
 No. 2231647

Commission Expires Oct 28, 2004

  
 Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, **Kenneth C. Wendel**, Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at **Warren, NJ** this **12th** day of **June**, 2001



  
 Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY  
 Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF

MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,  
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC  
CSC

5184334741

06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.

  
\_\_\_\_\_  
F. A. Risch, President

STATE OF TEXAS       )  
COUNTY OF DALLAS    )

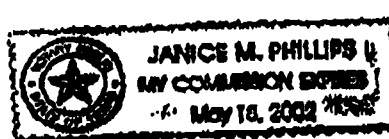
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
\_\_\_\_\_  
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]

  
\_\_\_\_\_  
NOTARY PUBLIC, STATE OF TEXAS



CSC  
CSC

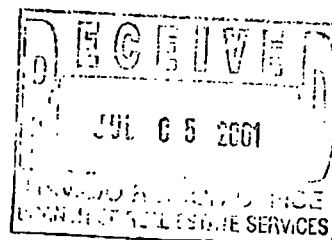
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06/01 '01 09:01 NO. 411 02/02  
06/01 '01 09:06 NO. 133 04/04  
**F010601000187****CSC 45****CERTIFICATE OF AMENDMENT****OF****MOBIL OIL CORPORATION**

Under Section 805 of the Business Corporation Law

**STATE OF NEW YORK  
DEPARTMENT OF STATE**Filed by: EXXONMOBIL CORPORATION  
(Name)

FILED JUN 01 2001

5959 Las Colinas Blvd.  
(Mailing address)TAX \$  
BY: *SAC*Irving, TX 75039-2298  
(City, State and Zip code)*Cust Ref # 1655781MPJ***010601000195**

=&gt; CSC

TEL=5184334741

06/01'01 08:19

*State of New York     }  
Department of State } ss:*

*I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.*

*Witness my hand and seal of the Department of State on* **JUN 01 2001**



*Special Deputy Secretary of State*

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW ✓

3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

<b>FROM:</b> (Old Operator):	<b>TO:</b> ( New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No.

Unit: **RATHERFORD**

## WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD UNIT 14-41	14-41S-23E	43-037-31623	6280	INDIAN	OW	P
RATHERFORD UNIT 24-41	24-41S-23E	43-037-31132	6280	INDIAN	OW	P
RATHERFORD UNIT 24-32	24-41S-23E	43-037-31593	6280	INDIAN	OW	S
3-12	03-41S-24E	43-037-15620	6280	INDIAN	OW	P
4-14	04-41S-24E	43-037-16163	6280	INDIAN	OW	P
4-34	04-41S-24E	43-037-16164	6280	INDIAN	OW	P
5-34	05-41S-24E	43-037-15983	6280	INDIAN	OW	P
RATHERFORD UNIT 7-11	07-41S-24E	43-037-31163	6280	INDIAN	OW	P
RATHERFORD UNIT 7-13	07-41S-24E	43-037-31164	6280	INDIAN	OW	P
RATHERFORD UNIT 7-22	07-41S-24E	43-037-31165	6280	INDIAN	OW	P
RATHERFORD UNIT 7-24	07-41S-24E	43-037-31166	6280	INDIAN	OW	S
RATHERFORD UNIT 7-44	07-41S-24E	43-037-31189	6280	INDIAN	OW	S
8-12	08-41S-24E	43-037-15991	6280	INDIAN	OW	P
8-21	08-41S-24E	43-037-15993	6280	INDIAN	OW	S
8-23	08-41S-24E	43-037-15994	6280	INDIAN	OW	P
8-32	08-41S-24E	43-037-15995	6280	INDIAN	OW	P
8-34	08-41S-24E	43-037-15996	6280	INDIAN	OW	P
8-41	08-41S-24E	43-037-15997	6280	INDIAN	OW	S
9-12	09-41S-24E	43-037-15126	6280	INDIAN	OW	P
9-14	09-41S-24E	43-037-15127	6280	INDIAN	OW	P

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
- Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
- If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")**

The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/15/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/15/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: N/A

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: N/A

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 80273197

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: <b>6/1/2006</b>	
<b>FROM: (Old Operator):</b> N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936	<b>TO: ( New Operator):</b> N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600
<b>CA No.</b>	<b>Unit: RATHERFORD</b>

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2) Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Navajo Tribe

7. UNIT or CA AGREEMENT NAME:

Ratherford Unit

8. WELL NAME and NUMBER:

See attached list

9. API NUMBER:

Attached

10. FIELD AND POOL, OR WILDCAT:

Greater Aneth

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER Unit Agreement

2. NAME OF OPERATOR:

Resolute Natural Resources Company

N2700

3. ADDRESS OF OPERATOR:

1675 Broadway, Suite 1950

CITY

Denver

STATE

CO

ZIP

80202

PHONE NUMBER:

(303) 534-4600

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached list

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: \_\_\_\_\_

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT)

Dwight E Mallory

TITLE

Regulatory Coordinator

SIGNATURE

*Dwight E Mallory*

DATE

4/20/2006

(This space for State use only)

APPROVED

6127106

*Earlene Russell*

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Ship Rock
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358		7. UNIT or CA AGREEMENT NAME: UTU68931A
4. LOCATION OF WELL FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		8. WELL NAME and NUMBER: Ratherford
PHONE NUMBER: (281) 654-1936		9. API NUMBER: attached
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Aneth
STATE: UTAH		

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of producers and water source wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <i>Laurie B. Kilbride</i>	DATE <u>4/19/2006</u>

(This space for State use only)

**APPROVED** 6/27/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
**APR 21 2006**

DIV. OF OIL, GAS & MINING

# Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	01-14	430373116200S1	Producing	1420603246A	1	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	01-34	430371638501S1	SI	1420603246A	1	41S	23E	SWSE	1133FSL	1980FEL
Ratherford	11-41	430373154400S1	Producing	1420603246A	11	41S	23E	NENE	0860FNL	0350FEL
Ratherford	11-43	430373162201S1	Producing	1420603246A	11	41S	23E	NESE	1980FSL	0660FEL
Ratherford	12-12	430373119000S1	Producing	1420603246A	12	41S	23E	SWNW	1850FNL	0660FWL
Ratherford	12-14	430371584400S1	SI	1420603246A	12	41S	23E	SWSW	0660FSL	4622FEL
Ratherford	12-21	430373120100S1	Producing	1420603246A	12	41S	23E	NENW	0660FNL	1980FWL
Ratherford	12-23	430371584601S1	Producing	1420603246A	12	41S	23E	NESW	1958FSL	3300FEL
Ratherford	12-32	430373120300S1	Producing	1420603246A	12	41S	23E	SWNE	1820FNL	1820FEL
Ratherford	12-34	430373112600S1	Producing	1420603246A	12	41S	23E	SWSE	0675FSL	1905FEL
Ratherford	12-43	430373120200S1	SI	1420603246A	12	41S	23E	NESE	2100FSL	0660FEL
Ratherford	13-12	430373112701S1	Producing	1420603247A	13	41S	23E	SWNW	1705FNL	0640FWL
Ratherford	13-14	430373158900S1	Producing	1420603247A	13	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	13-21	430373112801S1	SI	1420603247A	13	41S	23E	NENW	0660FNL	1920FWL
Ratherford	13-23	430373112900S1	Producing	1420603247A	13	41S	23E	NESW	1980FSL	1930FWL
Ratherford	13-34	430373113001S1	Producing	1420603247A	13	41S	23E	SWSE	0660FSL	1980FEL
Ratherford	13-41	430371585601S1	Producing	1420603247A	13	41S	23E	NENE	660FNL	660FEL
Ratherford	13-43	430373113100S1	Producing	1420603247A	13	41S	23E	NESE	1700FSL	0960FEL
Ratherford	14-32	430371585801S1	Producing	1420603247A	14	41S	23E	SWNE	2130FNL	1830FEL
Ratherford	14-41	430373162300S1	Producing	1420603247A	14	41S	23E	NENE	0521FNL	0810FEL
Ratherford	24-32	430373159300S1	Producing	1420603247A	24	41S	23E	SWNE	2121FNL	1846FEL
Ratherford	24-41	430373113200S1	Producing	1420603247A	24	41S	23E	NENE	0660FNL	0710FEL
Ratherford	17-11	430373116900S1	Producing	1420603353	17	41S	24E	NWNW	1075FNL	0800FWL
Ratherford	17-13	430373113301S1	Producing	1420603353	17	41S	24E	NWSW	2100FSL	0660FWL
Ratherford	17-22	430373117001S1	Producing	1420603353	17	41S	24E	SESW	1882FNL	1910FWL
Ratherford	17-24	430373104400S1	Producing	1420603353	17	41S	24E	SESW	0720FSL	1980FWL
Ratherford	17-31	430373117800S1	Producing	1420603353	17	41S	24E	NWNE	0500FNL	1980FEL
Ratherford	17-33	430373113400S1	Producing	1420603353	17	41S	24E	NWSE	1980FSL	1845FEL
Ratherford	17-42	430373117700S1	Producing	1420603353	17	41S	24E	SENE	1980FNL	0660FEL
Ratherford	17-44	430371573201S1	Producing	1420603353	17	41S	24E	SESE	0660FSL	0660FEL
Ratherford	18-11	430371573300S1	SI	1420603353	18	41S	24E	NWNW	0720FNL	0730FWL
Ratherford	18-13	430371573401S1	Producing	1420603353	18	41S	24E	NWSW	1980FSL	0500FWL
Ratherford	18-22	430373123600S1	Producing	1420603353	18	41S	24E	SESW	2200FNL	2210FWL
Ratherford	18-24	430373107900S1	Producing	1420603353	18	41S	24E	SESW	0760FSL	1980FWL
Ratherford	18-31	430373118101S1	Producing	1420603353	18	41S	24E	NWNE	0795FNL	2090FEL
Ratherford	18-33	430373113501S1	Producing	1420603353	18	41S	24E	NWSE	1870FSL	1980FEL
Ratherford	18-42	430373118200S1	Producing	1420603353	18	41S	24E	SENE	2120FNL	0745FEL
Ratherford	18-44	430373104500S1	SI	1420603353	18	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-11	430373108000S1	Producing	1420603353	19	41S	24E	NWNW	0660FNL	0660FWL
Ratherford	19-13	430373171900S1	Producing	1420603353	19	41S	24E	NWSW	1980FSL	0660FWL
Ratherford	19-22	430373104601S1	Producing	1420603353	19	41S	24E	SESW	1840FNL	1980FWL
Ratherford	19-24	430373175401S1	Producing	1420603353	19	41S	24E	SESW	0600FSL	1980FWL
Ratherford	19-31	430373104701S1	Producing	1420603353	19	41S	24E	NWNE	510FNL	1980FEL
Ratherford	19-33	430373104800S1	Producing	1420603353	19	41S	24E	NWSE	1980FSL	1980FEL
Ratherford	19-42	430373091600S1	Producing	1420603353	19	41S	24E	SENE	1880FNL	0660FEL
Ratherford	19-44	430373108100S1	Producing	1420603353	19	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-97	430373159600S1	Producing	1420603353	19	41S	24E	SENE	2562FNL	0030FEL
Ratherford	20-11	430373104900S1	Producing	1420603353	20	41S	24E	NWNW	0500FNL	0660FWL
Ratherford	20-13	430373091700S1	Producing	1420603353	20	41S	24E	NWSW	2140FSL	0500FWL
Ratherford	20-22	430373093000S1	Producing	1420603353	20	41S	24E	SESW	2020FNL	2090FWL
Ratherford	20-24	430373091800S1	Producing	1420603353	20	41S	24E	SESW	0820FSL	1820FWL

# Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	20-31	430373105001S1	Producing	1420603353	20	41S	24E	NWNE	0660FNL	1880FEL
Ratherford	20-33	430373093100S1	Producing	1420603353	20	41S	24E	NWSE	1910FSL	2140FEL
Ratherford	20-42	430373105100S1	Producing	1420603353	20	41S	24E	SENE	1980FNL	0660FEL
Ratherford	20-44	430373091501S1	Producing	1420603353	20	41S	24E	SESE	0620FSL	0760FEL
Ratherford	20-66	430373159201S1	Producing	1420603353	20	41S	24E	SWNW	1369FNL	1221FWL
Ratherford	20-68	430373159100S1	Producing	1420603353	20	41S	24E	NWSW	1615FSL	1276FWL
Ratherford	15-12	430371571501S1	Producing	1420603355	15	41S	24E	SWNW	1820FNL	0500FWL
Ratherford	15-22	430373044900S1	SI	1420603355	15	41S	24E	SENE	1980FNL	2050FWL
Ratherford	15-32	430371571700S1	Producing	1420603355	15	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	15-33	430371571800S1	Producing	1420603355	15	41S	24E	NWSE	1650FSL	1980FEL
Ratherford	15-41	430371571900S1	TA	1420603355	15	41S	24E	NENE	0660FNL	0660FEL
Ratherford	15-42	430373044800S1	Producing	1420603355	15	41S	24E	SENE	2020FNL	0820FEL
Ratherford	16-13	430373116801S1	Producing	1420603355	16	41S	24E	NWSW	1980FSL	660FWL
Ratherford	16-32	430371572300S1	Producing	1420603355	16	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	16-41	430371572500S1	Producing	1420603355	16	41S	24E	NENE	0660FNL	0660FEL
Ratherford	16-77	430373176800S1	Producing	1420603355	16	41S	24E	NESW	2587FSL	2410FWL
Ratherford	21-23	430371375400S1	Producing	1420603355	21	41S	24E	NESW	1740FSL	1740FWL
Ratherford	21-24	430373172001S1	SI	1420603355	21	41S	24E	SESW	487FSL	2064FWL
Ratherford	21-32	430371575500S1	SI	1420603355	21	41S	24E	SWNE	1880FNL	1980FEL
Ratherford	21-77	430373175801S1	SI	1420603355	21	41S	24E	NWSE	2511FSL	2446FEL
Ratherford	07-11	430373116300S1	Producing	1420603368	7	41S	24E	NWNW	0660FNL	0710FWL
Ratherford	07-13	430373116400S1	Producing	1420603368	7	41S	24E	NWSW	2110FSL	0740FWL
Ratherford	07-22	430373116500S1	Producing	1420603368	7	41S	24E	SENE	1980FNL	1980FWL
Ratherford	07-24	430373116600S1	Producing	1420603368	7	41S	24E	SESW	0880FSL	2414FWL
Ratherford	07-44	430373118900S1	SI	1420603368	7	41S	24E	SESE	0737FSL	0555FEL
Ratherford	08-12	430371599100S1	Producing	1420603368	8	41S	24E	SWNW	1909FNL	0520FWL
Ratherford	08-21	430371599300S1	Producing	1420603368	8	41S	24E	NENW	0616FNL	1911FWL
Ratherford	08-23	430371599400S1	Producing	1420603368	8	41S	24E	NESW	1920FSL	2055FWL
Ratherford	08-32	430371599500S1	Producing	1420603368	8	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	08-34	430371599600S1	Producing	1420603368	8	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	04-34	430371616400S1	Producing	14206034035	4	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	11-14	430371616700S1	Producing	14206034037	11	41S	24E	SWSW	0660FSL	0660FWL
Ratherford	09-34	430371571100S1	SI	14206034043	9	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	10-12	430371571200S1	Producing	14206034043	10	41S	24E	SWNW	1980FNL	0660FWL
Ratherford	10-14	430371571300S1	Producing	14206034043	10	41S	24E	SWSW	0510FSL	0710FWL
Ratherford	10-32	430371571400S1	TA	14206034043	10	41S	24E	SWNE	2080FNL	1910FEL
Ratherford	10-44	430373045100S1	TA	14206034043	10	41S	24E	SESE	0820FSL	0510FEL
Ratherford	29-11	430373105300S1	Producing	1420603407	29	41S	24E	NWNW	0770FNL	0585FWL
Ratherford	29-22	430373108200S1	Producing	1420603407	29	41S	24E	SENE	2130FNL	1370FWL
Ratherford	29-31	430373091401S1	Producing	1420603407	29	41S	24E	NWNE	0700FNL	2140FEL
Ratherford	29-33	430373093200S1	SI	1420603407	29	41S	24E	NWSE	1860FSL	1820FEL
Ratherford	29-34	430371534000S1	SI	1420603407	29	41S	24E	SWSE	0817FSL	2096FEL
Ratherford	29-42	430373093700S1	SI	1420603407	29	41S	24E	SENE	1850FNL	0660FEL
Ratherford	30-32	430371534200S1	Producing	1420603407	30	41S	24E	SWNE	1975FNL	2010FEL
Ratherford	28-11	430373044600S1	Producing	1420603409	28	41S	24E	NWNW	0520FNL	0620FWL

# Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	09-12	430371512600S1	Producing	14206035045	9	41S	24E	SWNW	1865FNL	0780FWL
Ratherford	09-14	430371512700S1	Producing	14206035046	9	41S	24E	SWSW	0695FSL	0695FWL
Ratherford	04-14	430371616300S1	Producing	14206035446	4	41S	24E	SWSW	0500FSL	0660FWL
Ratherford	03-12	430371562000S1	Producing	14206036506	3	41S	24E	SWNW	2140FNL	0660FWL

## Water Source Wells (Feb 2006)

RU	S1	4303700001	Active
RU	S2	4303700002	Active
RU	S3	4303700003	Active
RU	S4	4303700004	Active
RU	S5	4303700005	Active
RU	S6	4303700006	Active
RU	S7	4303700007	Active
RU	S8	4303700008	Active
RU	S9	4303700009	Active
RU	S10	4303700010	Active
RU	S11	4303700011	Active
RU	S12	4303700012	Active
RU	S13	4303700013	Active
RU	S14	4303700014	Active
RU	S16	4303700016	Active
RU	S17	4303700017	Active